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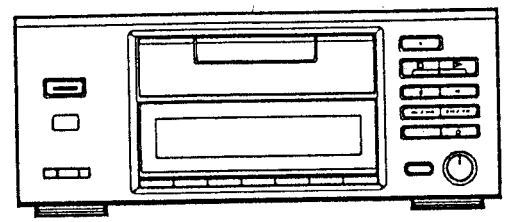
AIWA®

XD-S260

SERVICE MANUAL



DIGITAL AUDIO TAPE DECK

- BASIC DAT MECHANISM : D – 1MK2
- TYPE. K,Z

[PRELIMINARY]

TENTATIVE USE ONLY

AIWA Co., Ltd.

Tokyo Japan

Printed in Japan

SPECIFICATIONS

Tape	Digital audio tape
Head	Rotary head
Recording time	120 minutes (DT-120)
Tape speed	8.15 mm/s (12.225 mm/s)
Drum rotation	2,000 rpm
Error correction system	Double Reed Solomon
Tape Track pitch	13.6 µm (20.4 µm)
Sampling frequencies	48 kHz, 44.1 kHz, 32 kHz
Conversion system	8-10 conversion
Transmission rate	2.46 Mbit/sec
Number of channels	2 channels, stereo
D-A conversion	16 bit linear
Frequency response	2 – 22,000 Hz ±0.5 dB (48 kHz mode)
Signal-to-noise ratio	94 dB (playback) 90dB (recording/playback)
Dynamic range	93 dB (playback) 90dB (recording/playback)
Total harmonic distortion	0.005 % (1 kHz, playback)
Wow and flutter	Under measurable limit (±0.001 % W.PEAK)
Inputs	LINE IN: pin jack input impedance 50 k ohms standard input level –18 dBV COAXIAL IN: pin jack input impedance 75 ohms standard input level 0.5 Vp-p OPTICAL IN: optical link connector
Outputs	LINE OUT: pin jack output impedance 1 k ohm rated output level 2 V load impedance 10 k ohms or more OPTICAL OUT: optical link connector
General	
Power requirements	AH and U: 120/220/240 V AC switchable, AH 50/60 Hz, U 60 Hz Z: 220 V AC, 50 Hz K: 240 V AC, 50 Hz
Power consumption	U, K, Z: 16 W AH: 15 W
Dimensions (W×H×D)	260 × 105 × 313 mm (10 1/4 × 4 1/4 × 12 3/8 inches)
Weight	Approx. 4.0 kg (8.8 lbs)

Bande	Bande audionumérique
Tête	A tête rotative
Durée d'enregistrement	120 minutes (avec cassette DT-120)
Vitesse de bande	8,15 mm/sec. (12,225 mm/sec.)
Rotation du tambour	2.000 t/min.
Correction d'erreur	Double code Solomon de couplage
Pas transversal	13,6 µm (20,4 µm)
Fréquence d'échantillonnage	48 kHz, 44,1 kHz, 32 kHz
Système de modulation	Modulation 8 à 10
Taux de transfert	2,46 Mbit/sec.
Nombre de canaux	2 canaux, stéréo
Conversion N/A	Linéaire à 16 bits
Réponse de fréquence	2 à 22000 Hz ±0,5 dB (mode 48 kHz)
Rapport signal/bruit	94 dB (lecture) 90 dB (enregistrement/lecture)
Plage dynamique	93 dB (lecture) 90 dB (enregistrement/lecture)
Distorsion harmonique totale	0,005% (1 kHz, lecture)
Pleurage et scintillement	Inférieur à la limite mesurable (±0,001% CRETE)
Entrées	LINE IN: Prise à broches impédance d'entrée 50 kohms, niveau d'entrée standard –18 dBV COAXIAL IN: prise à broches impédance d'entrée 75 ohms, niveau d'entrée standard 0,5 Vc-c OPTICAL IN: connecteur de cordon optique
Sorties	LINE OUT: prise à broches impédance de sortie 1 kohm niveau de sortie nominal 2 V impédance de charge 10 kohms ou plus OPTICAL OUT: connecteur de cordon optique
Données générales	
Alimentation	CA 220 V, 50 Hz
Consommation électrique	16 W
Dimensions (l/h/p)	260 × 105 × 313 mm (10 1/4 x 4 1/4 x 12 3/8 pouces)
Poids	Environ 4,0 kg (8,8 livres)

■ACCESSORIES/PACKAGE LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q,TY
	1	★80-MQ1-905-310	INSTRUCTION BOOKLET,H (K,Z)	※	1
	2	★80-MQ1-906-110	INSTRUCTION BOOKLET,E (Z)	※	1
	3	★80-MQ1-650-010	DIGITAL OPTICAL LINK	※	2
	4	★87-034-773-010	AUDIO PIN CORD		2
	5	★80-MQ1-646-010	4P FLAT CABLE	※	1
	6	★80-MQ1-023-010	REMOTE CONTROLLER,RC – D260EX	※	1

ELECTRICAL MAIN PARTS LIST

REF.NO.	PART NO.	DESCRIPTION
=== IC ===		
	87-020-883-010	IC,74HCU04
	87-002-248-010	IC,BA15218D
	87-001-440-010	IC,BA15218N
	87-002-214-010	IC,CS5339-KP
	80-MQ1-607-010	IC,CXP5058H-577
	87-002-211-010	IC,GP1F32T(OPTICAL)
	87-002-212-010	IC,GP1F32R(OPTICAL)
	89-HD1-603-010	IC,HA12062AMP
	89-HD1-602-010	IC,HA12133MP
	89-HD1-633-010	IC,HD49211BFS
	89-HD1-604-010	IC,HD49212
	87-001-578-010	IC,HD74HC74
	87-001-800-010	IC,HM65256BFP-15T
	87-002-215-010	IC,L78S05
	87-002-216-010	IC,L78S06
	87-002-209-010	IC,LB8620M
	87-020-893-010	IC,M74HC00P
	87-001-802-010	IC,NJM2902M
	87-027-842-010	IC,NJM2904M
	87-020-903-010	IC,NJM7805FA
	87-020-910-010	IC,PST-523F
	87-002-213-010	IC,SAA7322
	87-002-343-010	IC,SBXI619-52(REMOTE SENSOR)
	87-001-799-010	IC,SN74LS624NS
	87-002-210-010	IC,TA8409F
	87-002-223-010	IC,TC4051BF
	87-002-375-010	IC,TC4S584F
	87-001-796-010	IC,TC74HC163AF
	87-001-668-010	IC,TC74HC4053AF
	87-001-584-010	IC,TC7S02F
	87-001-881-010	IC,TC7SU04F
	80-MQ1-625-010	IC,UPD75112GF-638
=== TRANSISTOR ===		
	87-026-500-010	TRANSISTOR,2SD2144S,UV
	87-026-518-010	FET,2SJ207
	89-211-821-010	TRANSISTOR,2SB1182Q
	89-213-293-010	TRANSISTOR,2SB1329R
	89-213-321-010	TRANSISTOR,2SB1332R
	89-318-154-010	TRANSISTOR,2SC1815Y
	89-341-164-010	TRANSISTOR,2SC4116Y
	89-342-132-010	TRANSISTOR,2SC4213B
	89-515-850-010	FET,2SK1585
	87-026-219-010	TRANSISTOR,DTA144ES
	87-026-218-010	TRANSISTOR,DTC144ES
	87-026-366-010	TRANSISTOR,RN1204
	87-026-377-010	TRANSISTOR,RN2204
=== DIODE ===		
	87-027-376-010	DIODE,1B4B41
	87-001-574-010	DIODE,1SR139-200
	87-020-110-010	DIODE,1SS177
	87-001-166-010	DIODE,CHIP 1SS301
	87-001-749-010	DIODE,D5SB20
	87-027-661-010	DIODE,ZENER HZ30-2L
	87-027-393-010	DIODE,ZENER HZ4C2
	87-027-320-010	DIODE,ZENER HZ7C2
=== MAIN CIRCUIT BOARD SECTION ===		
C50	$87-012-286-010	CAP,CHIP SS 0.01-25
C51	$87-012-286-010	CAP,CHIP SS 0.01-25
C52	$87-012-286-010	CAP,CHIP SS 0.01-25
C53	$87-012-286-010	CAP,CHIP SS 0.01-25
C54	$87-012-286-010	CAP,CHIP SS 0.01-25
C55	$87-012-286-010	CAP,CHIP SS 0.01-25
C56	$87-012-286-010	CAP,CHIP SS 0.01-25
C57	$87-012-180-010	CAP,CHIP SS 22P-50 CH
C58	$87-012-286-010	CAP,CHIP SS 0.01-25
C59	$87-010-194-010	CAP,CHIP S 0.047-25
C60	$87-012-360-010	CAP,CHIP S 1-10 FZ
C61	$87-012-286-010	CAP,CHIP SS 0.01-25
C62	$87-012-286-010	CAP,CHIP SS 0.01-25
C63	$87-012-286-010	CAP,CHIP SS 0.01-25
C64	$87-010-880-010	CAP,CHIP ELECT 47-6.3
C65	$87-010-196-010	CAP,CHIP S 0.1-25
C66	$87-010-196-010	CAP,CHIP S 0.1-25
C67	$87-010-880-010	CAP,CHIP ELECT 47-6.3
C100	$87-012-182-010	CAP,CHIP SS 27P-50 CH
C101	$87-012-182-010	CAP,CHIP SS 27P-50 CH
C102	$87-010-885-010	CAP,CHIP ELECT 22-10
C103	$87-010-884-010	CAP,CHIP ELECT 22-6.3
C104	$87-010-196-010	CAP,CHIP S 0.1-25
C105	$87-012-286-010	CAP,CHIP SS 0.01-25
C106	$87-012-286-010	CAP,CHIP SS 0.01-25
C200	$87-012-188-010	CAP,CHIP SS 47P-50 CH
C201	$87-012-188-010	CAP,CHIP SS 47P-50 CH
C202	$87-010-779-080	C-CAP,E 100-6.3
C203	$87-010-196-010	CAP,CHIP S 0.1-25
C204	$87-010-196-010	CAP,CHIP S 0.1-25
C205	$87-010-779-080	C-CAP,E 100-6.3
C206	$87-012-180-010	CAP,CHIP SS 22P-50 CH
C207	$87-010-178-010	CAP,CHIP S 1000P-50
C208	$87-012-172-010	CAP,CHIP SS 10P-50 CH
C209	$87-012-272-010	CAP,CHIP SS 680P-50
C210	$87-012-188-010	CAP,CHIP SS 47P-50 CH
C211	$87-012-272-010	CAP,CHIP SS 680P-50
C212	$87-012-188-010	CAP,CHIP SS 47P-50 CH
C213	$87-012-286-010	CAP,CHIP SS 0.01-25
C214	$87-010-196-010	CAP,CHIP S 0.1-25
C215	$87-010-196-010	CAP,CHIP S 0.1-25
C216	$87-012-286-010	CAP,CHIP SS 0.01-25
C217	$87-012-286-010	CAP,CHIP SS 0.01-25
C218	$87-012-274-010	CAP,CHIP SS 1000P-50
C219	$87-010-505-010	CAP,CHIP TANTALUM 1-16
C220	$87-012-285-010	CAP,CHIP SS 8200P-50
C221	$87-010-196-010	CAP,CHIP S 0.1-25
C222	$87-010-884-010	CAP,CHIP ELECT 22-6.3
C223	$87-012-176-010	CAP,CHIP SS 15P-50 CH
C224	$87-012-174-010	CAP,CHIP SS 12P-50 CH
C225	$87-012-174-010	CAP,CHIP SS 12P-50 CH
C226	$87-012-174-010	CAP,CHIP SS 12P-50 CH
C227	$87-012-174-010	CAP,CHIP SS 12P-50 CH
C228	$87-012-188-010	CAP,CHIP SS 47P-50 CH
C300	$87-010-196-010	CAP,CHIP S 0.1-25
C301	$87-010-884-010	CAP,CHIP ELECT 22-6.3
C302	$87-012-286-010	CAP,CHIP SS 0.01-25
C303	$87-010-196-010	CAP,CHIP S 0.1-25
C304	$87-010-596-010	CAP,CHIP S 0.047-16
C305	$87-012-282-010	CAP,CHIP SS 4700P-50
C306	$87-012-286-010	CAP,CHIP SS 0.01-25
C307	$87-010-781-010	CAP,CHIP ELECT 3.3-6.3
C308	$87-012-360-010	CAP,CHIP S 1-10 FZ
C309	$87-010-775-010	CAP,CHIP MYLAR 0.068-25
C310	$87-010-772-010	CAP,CHIP MYLAR 2200P-25
C311	$87-010-424-010	CAP,CHIP TANTALUM 4.7-4
C312	$87-010-774-010	CAP,CHIP MYLAR 0.047-25
C313	$87-010-772-010	CAP,CHIP MYLAR 2200P-25

REF.NO.	PART NO.	DESCRIPTION
C314	$87-012-274-010	CAP,CHIP SS 1000P-50
C315	$87-010-424-010	CAP,CHIP TANTALUM 4.7-4
C316	$87-010-505-010	CAP,CHIP TANTALUM 1-16
C317	$87-012-188-010	CAP,CHIP SS 47P-50 CH
C318	$87-012-286-010	CAP,CHIP SS 0.01-25
C319	$87-010-196-010	CAP,CHIP S 0.1-25
C320	$87-012-188-010	CAP,CHIP SS 47P-50 CH
C321	$87-012-360-010	CAP,CHIP S 1-10 FZ
C322	$87-012-286-010	CAP,CHIP SS 0.01-25
C323	$87-012-281-010	CAP,CHIP SS 3900P-50
C324	$87-012-285-010	CAP,CHIP SS 8200P-50
C325	$87-012-281-010	CAP,CHIP SS 3900P-50
C326	$87-012-274-010	CAP,CHIP SS 1000P-50
C327	$87-010-424-010	CAP,CHIP TANTALUM 4.7-4
C328	$87-012-278-010	CAP,CHIP SS 2200P-50
C329	$87-012-196-010	CAP,CHIP SS 120P-50 CH
C330	$87-012-360-010	CAP,CHIP S 1-10 FZ
C331	$87-010-196-010	CAP,CHIP S 0.1-25
C332	$87-012-286-010	CAP,CHIP SS 0.01-25
C333	$87-012-360-010	CAP,CHIP S 1-10 FZ
C334	$87-010-776-010	CAP,CHIP MYLAR 0.15-25J
C335	$87-010-196-010	CAP,CHIP S 0.1-25
C336	$87-010-885-010	CAP,CHIP ELECT 22-10
C337	$87-012-274-010	CAP,CHIP SS 1000P-50
C338	$87-012-360-010	CAP,CHIP S 1-10 FZ
C339	$87-010-196-010	CAP,CHIP S 0.1-25
C340	$87-012-195-010	CAP,CHIP SS 100P-50 CH
C341	$87-012-360-010	CAP,CHIP S 1-10 FZ
C342	$87-012-360-010	CAP,CHIP S 1-10 FZ
C343	$87-010-196-010	CAP,CHIP S 0.1-25
C344	$87-010-885-010	CAP,CHIP ELECT 22-10
C345	$87-010-885-010	CAP,CHIP ELECT 22-10
C346	$87-010-196-010	CAP,CHIP S 0.1-25
C347	$87-010-884-010	CAP,CHIP ELECT 22-6.3
C348	$87-010-196-010	CAP,CHIP S 0.1-25
C349	$87-012-360-010	CAP,CHIP S 1-10 FZ
C350	$87-010-789-010	CAP,CHIP MYLAR 0.022J
C351	$87-010-196-010	CAP,CHIP S 0.1-25
C352	$87-012-286-010	CAP,CHIP SS 0.01-25
C353	$87-010-193-010	CAP,CHIP SS 0.033-25
EM1	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM2	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM3	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM4	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM5	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM6	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM7	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM8	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM9	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM10	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM11	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM12	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM13	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
EM14	87-006-164-080	C-F-BEAD,2125CB50(Z ONLY)
L1	$89-HD1-508-010	FILTER,A365LNG-1391
L2	$89-HD1-609-010	FILTER,H366BNJ-1232YPD
L3	$87-005-286-010	COIL,CHIP 1UH
L4	$87-005-310-010	COIL,CHIP 100UH
L5	$89-HD1-507-010	COIL,303AN-1531AQVC0
L6	$87-005-298-010	COIL,CHIP 10UH
L9	$87-005-310-010	COIL,CHIP 100UH
L10	$87-003-241-010	COIL,CHIP S 4.7UH
L11	$87-003-241-010	COIL,CHIP S 4.7UH
R32	$87-022-204-010	RES,CHIP 22-1W

REF.NO.	PART NO.	DESCRIPTION
R33	$87-022-204-010	RES,CHIP 22-1W
SFR6	$87-024-332-010	SFR,10K
SFR7	$87-024-332-010	SFR,10K
SFR8	$87-024-334-010	SFR,3.3K
SFR9	$87-024-335-010	SFR,100K
SFR10	$87-024-365-010	SFR,330
X1	$87-030-191-010	VIB,CER 4.19MGCM
X2	$87-030-146-010	XTAL RESONATOR 22.5792MHZ
X3	$87-030-147-010	XTAL RESONATOR 24.576MHZ
X4	$87-030-190-010	XTAL RESONATOR 37.632MHZ

=== RF CIRCUIT BOARD SECTION ===

C1	$87-012-193-010	CAP,CHIP SS 82P-50 CH
C2	$87-012-193-010	CAP,CHIP SS 82P-50 CH
C3	$87-012-282-010	CAP,CHIP SS 4700P-50
C4	$87-012-282-010	CAP,CHIP SS 4700P-50
C5	$87-012-280-010	CAP,CHIP SS 3300P-50
C6	$87-012-280-010	CAP,CHIP SS 3300P-50
C7	$87-012-280-010	CAP,CHIP SS 3300P-50
C8	$87-012-280-010	CAP,CHIP SS 3300P-50
C9	$87-012-286-010	CAP,CHIP SS 0.01-25
C10	$87-012-286-010	CAP,CHIP SS 0.01-25
C11	$87-010-787-010	CAP,CHIP SS 0.022-25
C12	$87-010-787-010	CAP,CHIP SS 0.022-25
C13	$87-010-196-010	CAP,CHIP S 0.1-25
C14	$87-010-196-010	CAP,CHIP S 0.1-25
C15	$87-012-286-010	CAP,CHIP SS 0.01-25
C16	$87-012-195-010	CAP,CHIP SS 100P-50 CH
C17	$87-012-286-010	CAP,CHIP SS 0.01-25
C18	$87-012-286-010	CAP,CHIP SS 0.01-25
C19	$87-012-199-010	CAP,CHIP SS 220P-50 CH
C20	$87-012-188-010	CAP,CHIP SS 47P-50 CH
C21	$87-012-275-010	CAP,CHIP SS 1200P-50
C22	$87-012-286-010	CAP,CHIP SS 0.01-25
C23	$87-012-286-010	CAP,CHIP SS 0.01-25
C24	$87-012-286-010	CAP,CHIP SS 0.01-25
C25	$87-012-286-010	CAP,CHIP SS 0.01-25
C26	$87-012-286-010	CAP,CHIP SS 0.01-25
C27	$87-012-286-010	CAP,CHIP SS 0.01-25
C28	$87-010-771-010	CAP,CHIP TANTALUM 47-6.3
C29	$87-010-196-010	CAP,CHIP S 0.1-25
C30	$87-010-515-010	CAP,CHIP TANTALUM 22-6.3
C31	$87-010-196-010	CAP,CHIP S 0.1-25
C32	$87-010-771-010	CAP,CHIP TANTALUM 47-6.3
C33	$87-010-196-010	CAP,CHIP S 0.1-25
C34	$87-010-196-010	CAP,CHIP S 0.1-25
C35	$87-010-522-010	CAP,CHIP TANTALUM 2.2-10
C36	$87-010-522-010	CAP,CHIP TANTALUM 2.2-10
C37	$87-010-196-010	CAP,CHIP S 0.1-25
C38	$87-010-771-010	CAP,CHIP TANTALUM 47-6.3
L7	$87-005-310-010	COIL,CHIP 100UH
L8	$87-005-310-010	COIL,CHIP 100UH
SFR1	$87-024-334-010	SFR,3.3K
SFR2	$87-024-334-010	SFR,3.3K
SFR3	$87-024-407-010	SFR,10K
SFR4	$87-024-407-010	SFR,10K
SFR5	$87-024-333-010	SFR,1K

=== FRONT CIRCUIT BOARD SECTION ===

C201	$87-010-421-010	CAP,ELECT 4.7-50 SL
C202	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
FL201	80-MQ1-509-010	FL,BG-868GK(DISPLAY)
R227	$87-022-207-010	RES,ARRY AFRMXS4-472J

REF.NO.	PART NO.	DESCRIPTION
R228	$87-022-051-010	RES,ARRY AFRMXS8-223J
R229	$87-022-051-010	RES,ARRY AFRMXS8-223J
SW201	87-036-087-010	SLIDE SW(TIMER)
SW202	87-036-142-010	TACT SW(PLAY)
SW203	87-036-142-010	TACT SW(PAUSE)
SW204	87-036-142-010	TACT SW(REC MUTE)
SW205	87-036-142-010	TACT SW(F.SKIP/FF)
SW206	87-036-142-010	TACT SW(OPEN/CLOSE)
SW207	87-036-142-010	TACT SW(REC)
SW208	87-036-142-010	TACT SW(MARK-END-SEARCH)
SW209	87-036-142-010	TACT SW(REW/B SKIP)
SW210	87-036-142-010	TACT SW(CD SYNC REC)
SW211	87-036-142-010	TACT SW(STOP/CLEAR)
SW212	87-036-142-010	TACT SW(ID ERASE)
SW213	87-036-142-010	TACT SW(MARK)
SW214	87-036-142-010	TACT SW(AUTO/MANU)
SW215	87-036-142-010	TACT SW(COUNTER/RESET)
SW216	87-036-142-010	TACT SW(DISPLAY)
SW219	87-036-142-010	TACT SW(INPUT SELECT)
SW220	87-036-142-010	TACT SW(RENUMBER)
SW221	87-036-142-010	TACT SW(POWER)
VR301	$87-024-336-010	VOLUME,20KX2(REC LEVEL)
X101	$87-008-394-010	CF CST 4.19MGW

=== POWER CIRCUIT BOARD SECTION ===

C101	$87-010-101-010	CAP,ELECT 220-16 SME
C102	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C103	$87-010-878-010	CAP,ELECT 6800-16
C104	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C105	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C106	$87-010-248-010	CAP,ELECT 220-10 SME
C107	$87-010-248-010	CAP,ELECT 220-10 SME
C108	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C109	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C110	$87-010-248-010	CAP,ELECT 220-10 SME
C112	$87-010-248-010	CAP,ELECT 220-10 SME
C113	$87-010-410-010	CAP,ELECT 330-50 SME
C114	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C115	$87-010-237-010	CAP,ELECT 1000-16 SME
C116	$87-010-237-010	CAP,ELECT 1000-16 SME
C117	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C118	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C121	$87-010-248-010	CAP,ELECT 220-10 SME
C150	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C151	$87-010-265-010	CAP,ELECT 33-16 SME
C153	$87-018-119-010	CAP,CERA-SOL SS 100P-50
C155	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C156	$87-018-115-010	CAP,CERA-SOL SS 47P-50 SL
C157	$87-018-115-010	CAP,CERA-SOL SS 47P-50 SL
C159	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C160	$87-010-265-010	CAP,ELECT 33-16 SME
EM101	$87-008-372-010	FILTER,EMI BL OIRNI
EM103	87-008-372-080	FILTER,EMI BL OIRNI(Z ONLY)
J150	$87-009-049-010	JACK,PIN 1P(COAXIAL)
J151	87-009-413-010	CONNECTOR,4P FG(DAT CONTROL)
J152	87-002-211-010	IC,GPIF32T(OPTICAL)
J153	87-002-212-010	IC,GPIF32R(OPTICAL)
L101	87-003-102-010	COIL,10UH
L151	87-003-102-080	COIL,10UH
R111	87-029-131-010	RES,FUSE 1-1W
R112	87-029-132-090	RES,FUSE 4.7-1/4W

=== A/D CONVERTER CIRCUIT BOARD SECTION ===

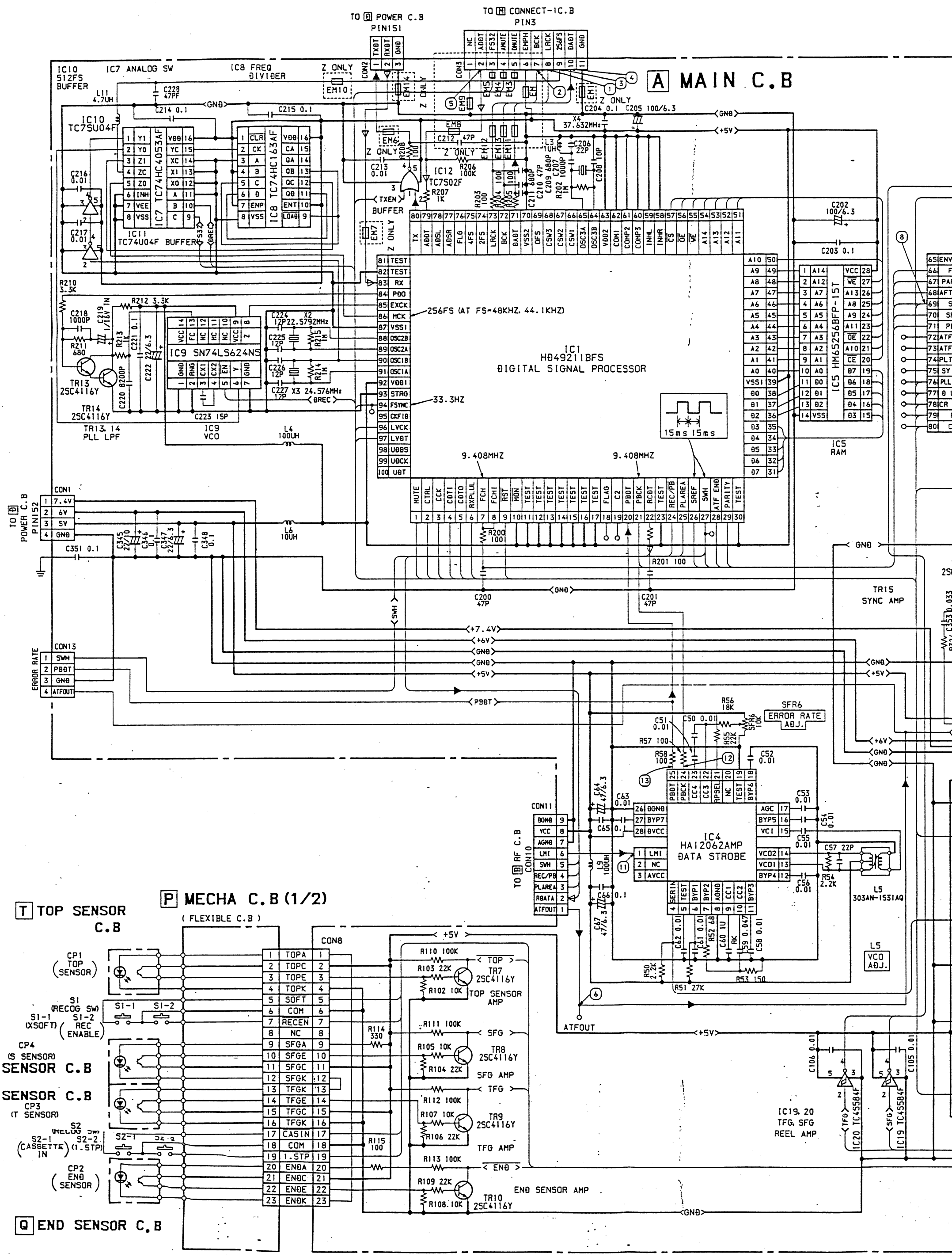
C301	$87-010-265-010	CAP,ELECT 33-16 SME

REF.NO.	PART NO.	DESCRIPTION
C302	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C303	$87-010-265-010	CAP,ELECT 33-16 SME
C304	$87-018-115-010	CAP,CERA-SOL SS 47P-50 SL
C305	$87-010-265-010	CAP,ELECT 33-16 SME
C306	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C307	$87-010-265-010	CAP,ELECT 33-16 SME
C308	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C309	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C310	$87-010-265-010	CAP,ELECT 33-16 SME
C311	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C312	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C313	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C314	$87-010-405-010	CAP,ELECT 10-50 SME
C315	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C316	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C317	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C318	$87-015-457-010	CAP,ELECT 47-16 BP
C319	$87-015-457-010	CAP,ELECT 47-16 BP
C320	$87-014-045-010	CAP,PP 330P-100
C321	$87-014-045-010	CAP,PP 330P-100
C322	$87-010-265-010	CAP,ELECT 33-16 SME
C323	$87-010-265-010	CAP,ELECT 33-16 SME
C326	$87-010-265-010	CAP,ELECT 33-16 SME
C327	$87-010-265-010	CAP,ELECT 33-16 SME
C328	$87-018-117-010	CAP,CERA-SOL SS 68P-50 SL
C329	$87-018-117-010	CAP,CERA-SOL SS 68P-50 SL
C330	$87-010-615-010	CAP,ELECT 2.2-50 BP
C331	$87-010-615-010	CAP,ELECT 2.2-50 BP
C333	$87-018-115-010	CAP,CERA-SOL SS 47P-50 SL
C343	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C346	$87-010-112-010	CAP,ELECT 100-16
C347	$87-018-209-010	CAP,CERA-SOL SS 0.1-50(Z ONLY)
EM301	$87-008-372-010	FILTER,EMI BL OIRNI
EM302	87-008-372-080	FILTER,EMI BL OLRNI(Z ONLY)
EM303	87-003-219-010	FERRITE BEAD-BLOZRN2
EM304	87-003-219-010	FERRITE BEAD-BLOZRN2
J301	$87-009-414-010	JACK,PIN 2P(ANALOG LINE IN)
L301	$87-003-102-010	COIL,10UH
L302	$87-003-102-010	COIL,10UH
=== D/A CONVERTER CIRCUIT BOARD SECTION ===		
C401	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C402	$87-010-265-010	CAP,ELECT 33-16 SME
C403	$87-010-265-010	CAP,ELECT 33-16 SME
C404	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C405	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C406	$87-010-265-010	CAP,ELECT 33-16 SME
C407	$87-010-265-010	CAP,ELECT 33-16 SME
C408	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C409	$87-010-265-010	CAP,ELECT 33-16 SME
C410	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C411	$87-010-265-010	CAP,ELECT 33-16 SME
C412	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C413	$87-014-035-010	CAP,PP 120P-100
C414	$87-014-053-010	CAP,PP 680P-100
C415	$87-010-265-010	CAP,ELECT 33-16 SME
C416	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C417	$87-014-051-010	CAP,PP 560P-100
C418	$87-014-061-010	CAP,PP 1500P-100
C419	$87-018-115-010	CAP,CERA-SOL SS 47P-50 SL
C420	$87-010-265-010	CAP,ELECT 33-16 SME
C421	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C423	$87-014-053-010	CAP,PP 680P-100
C424	$87-014-035-010	CAP,PP 120P-100

REF.NO.	PART NO.	DESCRIPTION
C425	$87-010-265-010	CAP,ELECT 33-16 SME
C426	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
C427	$87-014-051-010	CAP,PP 560P-100
C428	$87-014-061-010	CAP,PP 1500P-100
C429	$87-018-115-010	CAP,CERA-SOL SS 47P-50 SL
C430	$87-010-265-010	CAP,ELECT 33-16 SME
C431	$87-010-265-010	CAP,ELECT 33-16 SME
C432	$87-015-457-010	CAP,ELECT 47-16 BP
C433	$87-015-457-010	CAP,ELECT 47-16 BP
C434	$87-015-457-010	CAP,ELECT 47-16 BP
C435	$87-015-457-010	CAP,ELECT 47-16 BP
C436	$87-018-131-010	CAP,CERA-SOL SS 1000P-50
C437	$87-018-131-010	CAP,CERA-SOL SS 1000P-50
C438	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C439	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C440	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C441	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C442	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C443	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C450	$87-018-134-010	CAP,CERA-SOL SS 0.01-16
C451	87-018-209-010	CAP,CERA-SOL SS 0.1-50
C452	87-010-265-010	CAP,ELECT 33-16 SME
C455	87-018-209-010	CAP,CERA-SOL SS *0.1-50(Z ONLY)
C470	$87-018-209-010	CAP,CERA-SOL SS 0.1-50
EM401	$87-008-372-010	FILTER,EMI BL OIRNI
EM402	87-003-219-010	FILTER,EMI BL OLRNI(Z ONLY)
EM403	87-003-219-010	FILTER,EMI BL OLRNI(Z ONLY)
J401	$87-009-414-010	JACK,PIN 2P(ANALOG LINE OUT)
L401	$87-003-143-010	COIL,4.7UH
L402	$87-003-102-010	COIL,10UH
L403	$87-003-102-010	COIL,10UH
=== REMOTE CIRCUIT BOARD SECTION ===		
C205	$87-010-420-010	CAP,ELECT 10-16
REM201	87-002-343-010	IC,SBX1619-52 UNIT(REMOTE SENSOR)
=== REG. CIRCUIT BOARD SECTION ===		
C120	$87-010-248-010	CAP,ELECT 220-10 SME
C122	$87-010-248-010	CAP,ELECT 220-10 SME
C123	$87-010-101-010	CAP,ELECT 220-16 SME
=== FILTER CIRCUIT BOARD SECTION ===		
,L101	$87-005-367-010	FILTER,LINE
=== CONNECT-1 CIRCUIT BOARD SECTION ===		
C344	$87-018-147-010	CAP,CERA-SOL SS 10P-50 CH
C361	87-018-209-080	CAP,TC-U 0.1-50F
=== CONNECT-2 CIRCUIT BOARD SECTION ===		
=== TRAY MOTOR CIRCUIT BOARD SECTION ===		
M3	80-203-603-010	TRAY MOTOR
=== MECHA CIRCUIT BOARD SECTION ===		
PCB-P	$80-MQ1-620-010	MECHA FLEXIBLE CIRCUIT BOARD
S1	86-544-609-010	PUSH SW B(X SOFT,REC ENABLE)
S2	86-544-608-010	PUSH SW A(ASSETTE IN,1.5TP)
=== END SENSOR CIRCUIT BOARD SECTION ===		
CP2	80-MQ1-644-010	P SENSOR,ON2175(END SENSOR)
=== T SENSOR CIRCUIT BOARD SECTION ===		

REF.NO.	PART NO.	DESCRIPTION
CP3	86-544-610-010	P SENSOR(T SENSOR)
=== S SENSOR CIRCUIT BOARD SECTION ===		
CP4	86-544-610-010	P SENSOR(S SENSOR)
=== TOP SENSOR CIRCUIT BOARD SECTION ===		
CP1	80-MQ1-644-010	P SENSOR,ON2175(TOP SENSOR)
===MISCELLANEOUS===		
,	$87-034-761-010	AC CORD,H 2M OFC BLK
,	$87-085-184-010	BUSHING,AC CORD D
,J101	$87-049-017-010	AC OUTLET(AC OUTLET)
M1	86-544-454-010	REEL MOTOR ASSY
M2	86-544-602-110	SLED MOTOR
M4	86-544-617-010	DRAM MOTOR(DOU-02G)
M5	98-835-206-010	CAPSTAN MOTOR
S3	87-036-089-010	LEAF SW(TRAY SW)
S4	86-544-604-010	MODE SELECTOR(MODE SW)
,S101	87-031-586-010	ROTARY SW(AC VOLTAGE)
SOL1	86-544-618-010	SOLENOIDE(BRAKE)
,T101	80-MQ1-602-010	POWER TRANSFORMER H

SCHEMATIC DIAGRAM – 1



IC15
ØRUM. CAPSTAN
SERVO AMP

IC2
HØ49212
SERVO

IC5 HM65256BFP-15T
RAM

IC6
UPØ75112GF
SYSTEM CONTROL

IC13
NJM2902M
REEL SERVO
AMP

IC15
NJM2904M

IC14
ØRUM PG AMP

IC14
ØRUM FG AMP

IC14
NJM2902M

ØRUM ØRIVER
TR3
2SBIIØ2Q

CAPSTAN ØRIVER
TR4
2SBIIØ2Q

CAPSTAN

TO ØRUM MOTOR (M4)

TO CAPSTAN MOTOR (M5)

SFR9
TACH
AØJ.

SFR8
ATF AØJ.

ATF GAIN

PILOT
MONITOR

TACH

/PPS

SFR7
ENV
AØJ.

ENV

TR15
SYNC AMP

TR15
2SC4116Y

TR12
2SC4116Y

TR11
2SC4116Y

TR11. 12
ENV AMP

L10
4.7ØH

L2 H366BNJ-1232YPØ (BPF)

L1 (LPF)
A365LNG-1391
IC18 SG MOTOR
ØRIVER

IC18 TA8409F

IC17 REEL TRAY ØRIVER

IC17 LB8620M

IC16 TC4051BF
IC16 ANALOG SW

SFR10
TORQUE
AØJ.

L5
303AN-1531AQ

L5
VCO
AØJ.

IC20 TC4S584F

IC19 TC4S584F

TR1. 2
SOLENOIØ ØRIVER

TR1
2SJ207

TR2
2SK1585

ØI
1SS3Ø1

X1 4.19MHz

CON12
1 VS
2 VCC
3 GNØ
4 ØØN
5 BRK
6 COM
7 LPG
8 ØFG

CON14
1 VS
2 GNØ
3 6V
4 CRVS
5 VCC
6 FG2
7 GNØ
8 FG1

CON4
1 RST
2 ØB4
3 ØB5
4 ØB6
5 ØB7
6 ØB0
7 ØB1
8 ØB2
9 ØB3
TO C.B FRONT BT201

CON5
1 REQ
2 R/W
3 TOP
4 ACK
5 GNØ
TO C.B FRONT BT202

CON6
1 THMO 1
2 THMI 2
3 RM+ 3
4 RM- 4
5 SOL 5
6 SOL 6
7 ENC1 7
8 GNØ 8
9 ENC3 9
10 ENC2 10

P MECHA
(FLEXIBLE C.B)

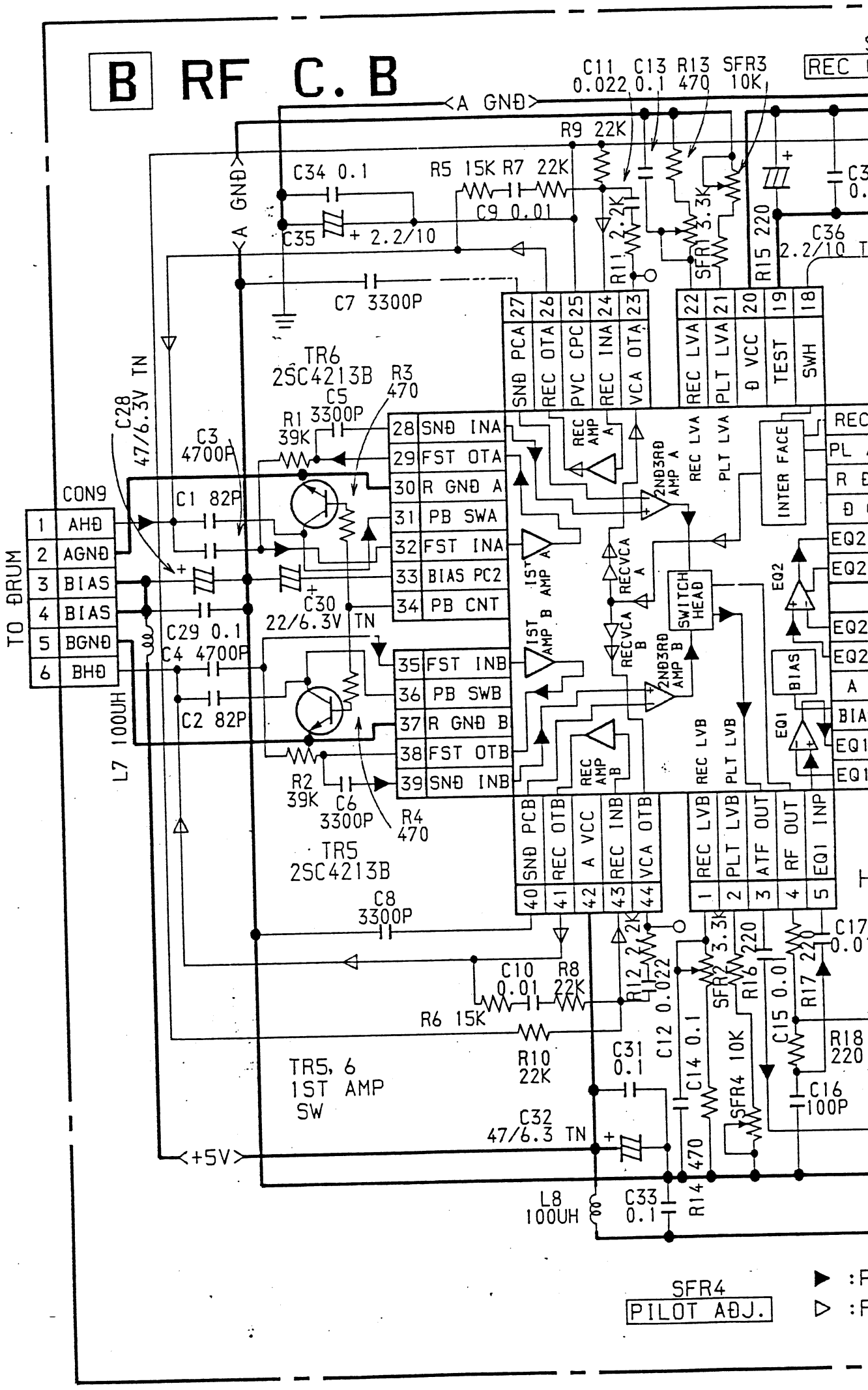
O TRAY MOTOR C.B
5 TRAIN 5
4 TROUT 4
3 COM 3
2 TRMI 2
1 TRMO 1
CON7

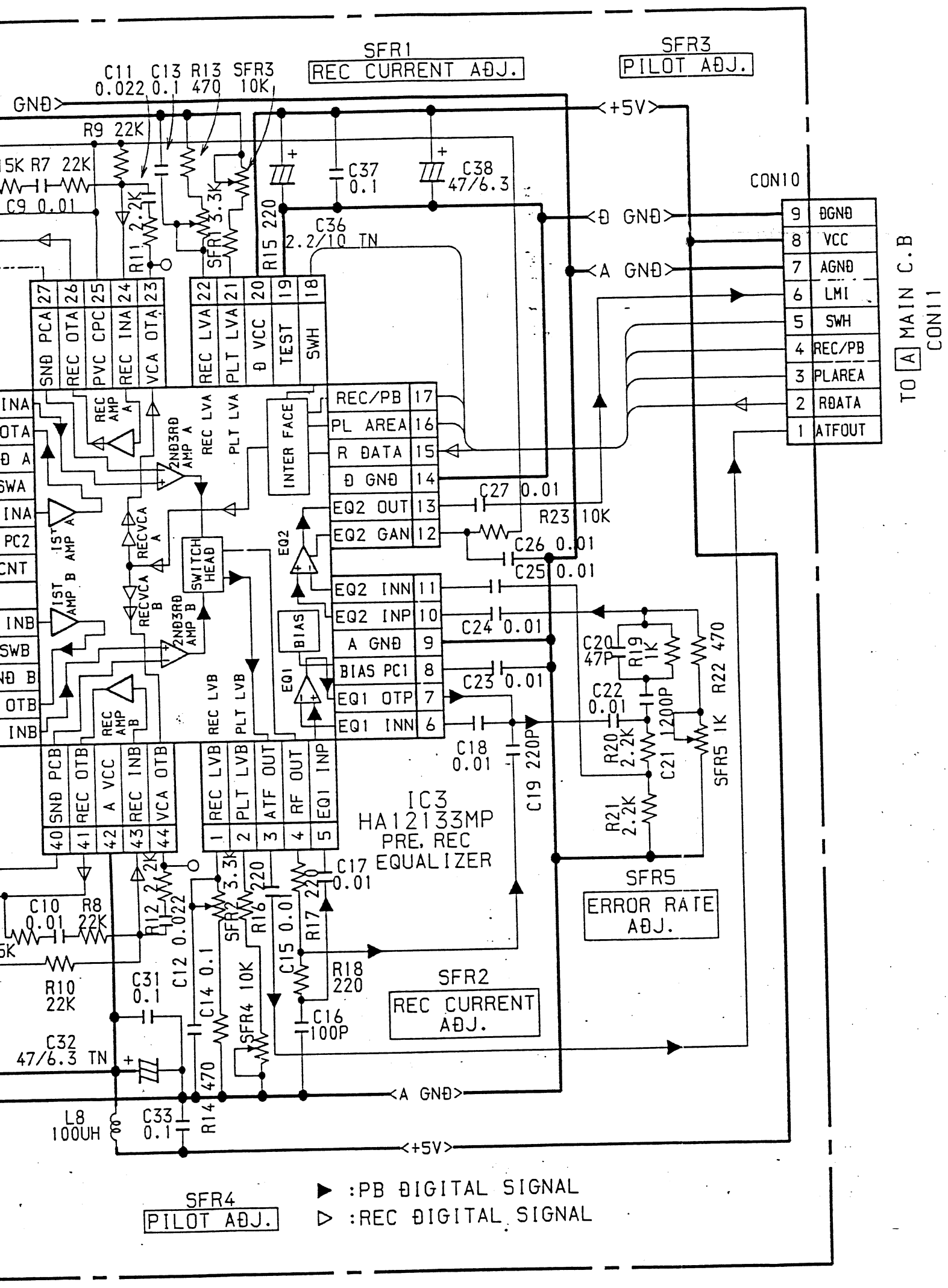
S3
(TRAY SW)

M3
(TRAY MOTOR)

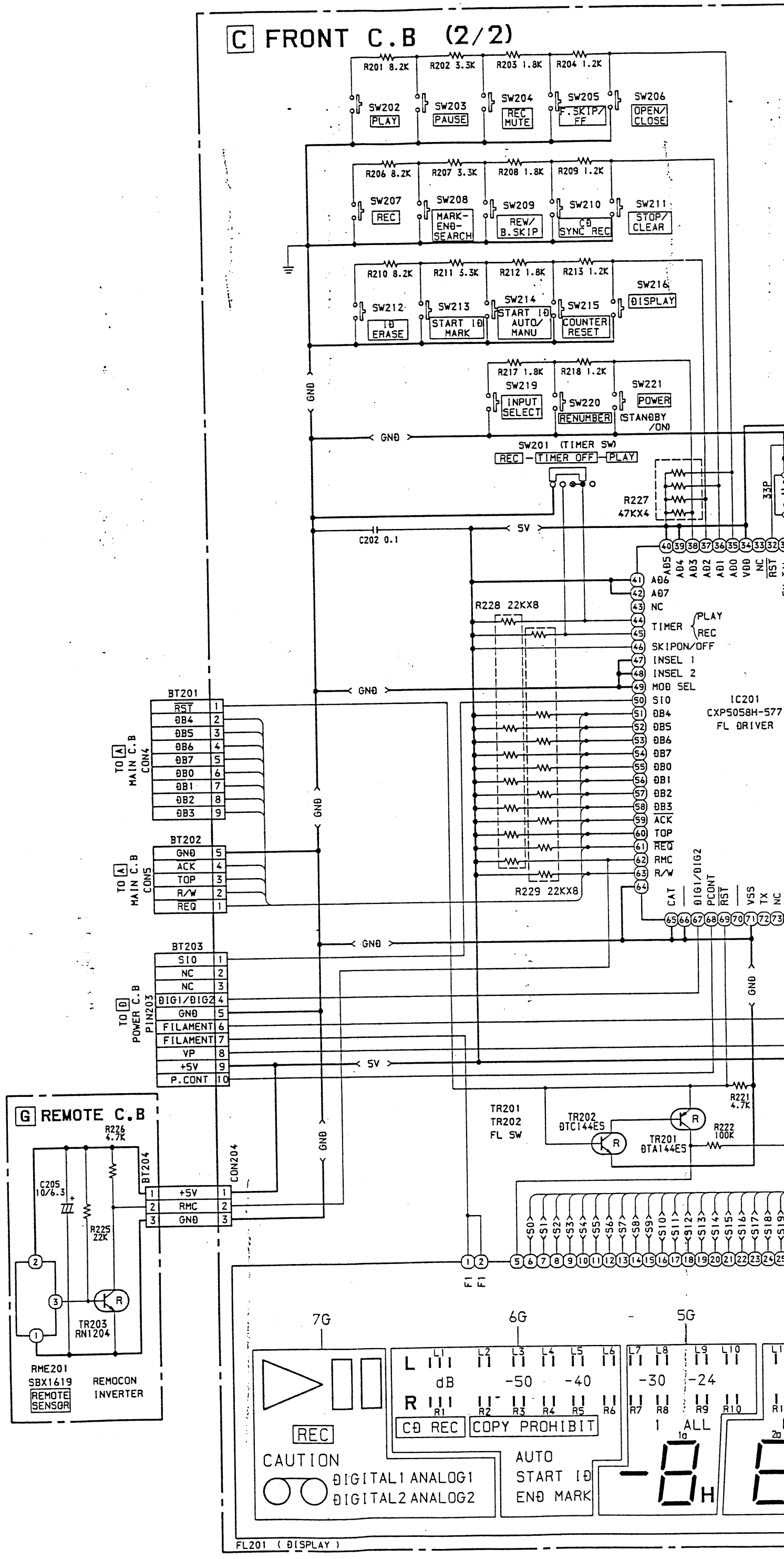
▶ :PB ØIGITAL SIGNAL
▷ :REC ØIGITAL SIGNAL
←○ :WAVE POINT

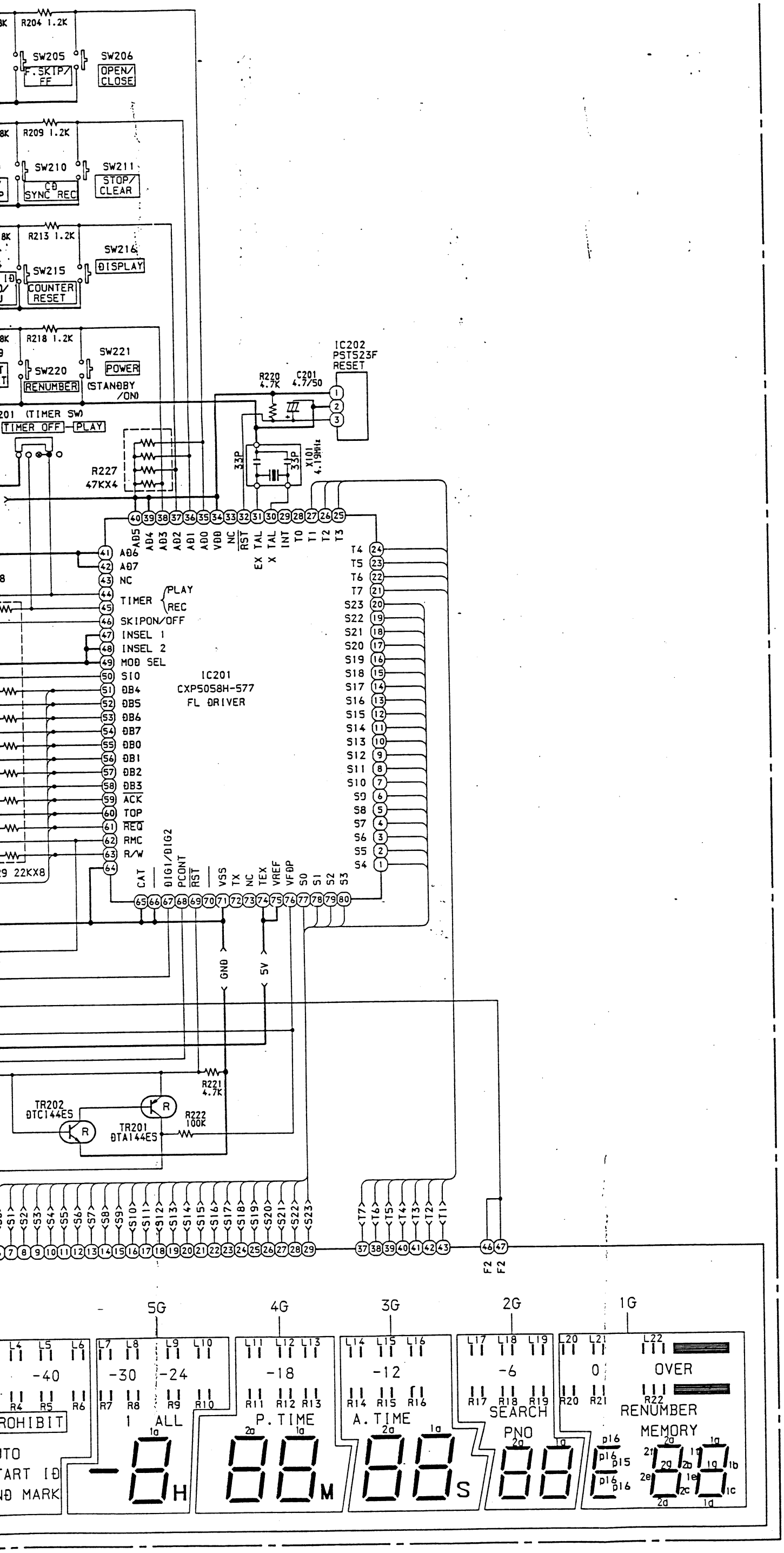
SCHEMATIC DIAGRAM – 2




SFR1
REC CURRENT ADJ.
SFR3
PILOT ADJ.
C11 0.022
C13 0.1
R13 470
SFR3 10K
GND
+5V
R9 22K
R7 22K
C9 0.01
C37 0.1
C38 47/6.3
C36 2.2/10 TN
R15 220
Ð GNÐ
A GNÐ
CON10
9 ÐGNÐ
8 VCC
7 AGNÐ
6 LMI
5 SWH
4 REC/PB
3 PLAREA
2 RÐATA
1 ATFOUT
TO A MAIN C.B CON11
SNÐ PCA 27
REC OTA 26
PVC CPC 25
REC INA 24
VCA OTA 23
REC LVA 22
PLT LVA 21
Ð VCC 20
TEST 19
SWH 18
REC/PB 17
PL AREA 16
R ÐATA 15
Ð GNÐ 14
EQ2 OUT 13
EQ2 GAN 12
EQ2 INN 11
EQ2 INP 10
A GNÐ 9
BIAS PC1 8
EQ1 OTP 7
EQ1 INN 6
INTER FACE
REC AMP A
2NÐ3RÐ AMP A
REC LVA
PLT LVA
1ST AMP A
RECVCA A
SWITCH HEAD
EQ2
BIAS
EQ1
1ST AMP B
RECVCA B
2NÐ3RÐ AMP B
REC AMP B
REC LVB
PLT LVB
SNÐ PCB 40
REC OTB 41
A VCC 42
REC INB 43
VCA OTB 44
REC LVB 1
PLT LVB 2
ATF OUT 3
RF OUT 4
EQ1 INP 5
C27 0.01
R23 10K
C26 0.01
C25 0.01
C24 0.01
C23 0.01
C18 0.01
C19 220P
C20 47P
R19 1K
R22 470
C22 0.01
1200P
R20 2.2K
C21
SFR5 1K
R21 2.2K
IC3
HA12133MP
PRE. REC EQUALIZER
SFR5
ERROR RATE ADJ.
C10 0.01
R8 22K
R12 2.2K
C12 0.022
SFR2 3.3K
R16 220
C17 0.01
C15 0.01
R17 220
R18 220
SFR2
REC CURRENT ADJ.
C16 100P
R10 22K
C31 0.1
C14 0.1
SFR4 10K
C32 47/6.3 TN
R14 470
A GNÐ
L8 100UH
C33 0.1
+5V
SFR4
PILOT ADJ.
▶ :PB ÐIGITAL SIGNAL
▷ :REC ÐIGITAL SIGNAL

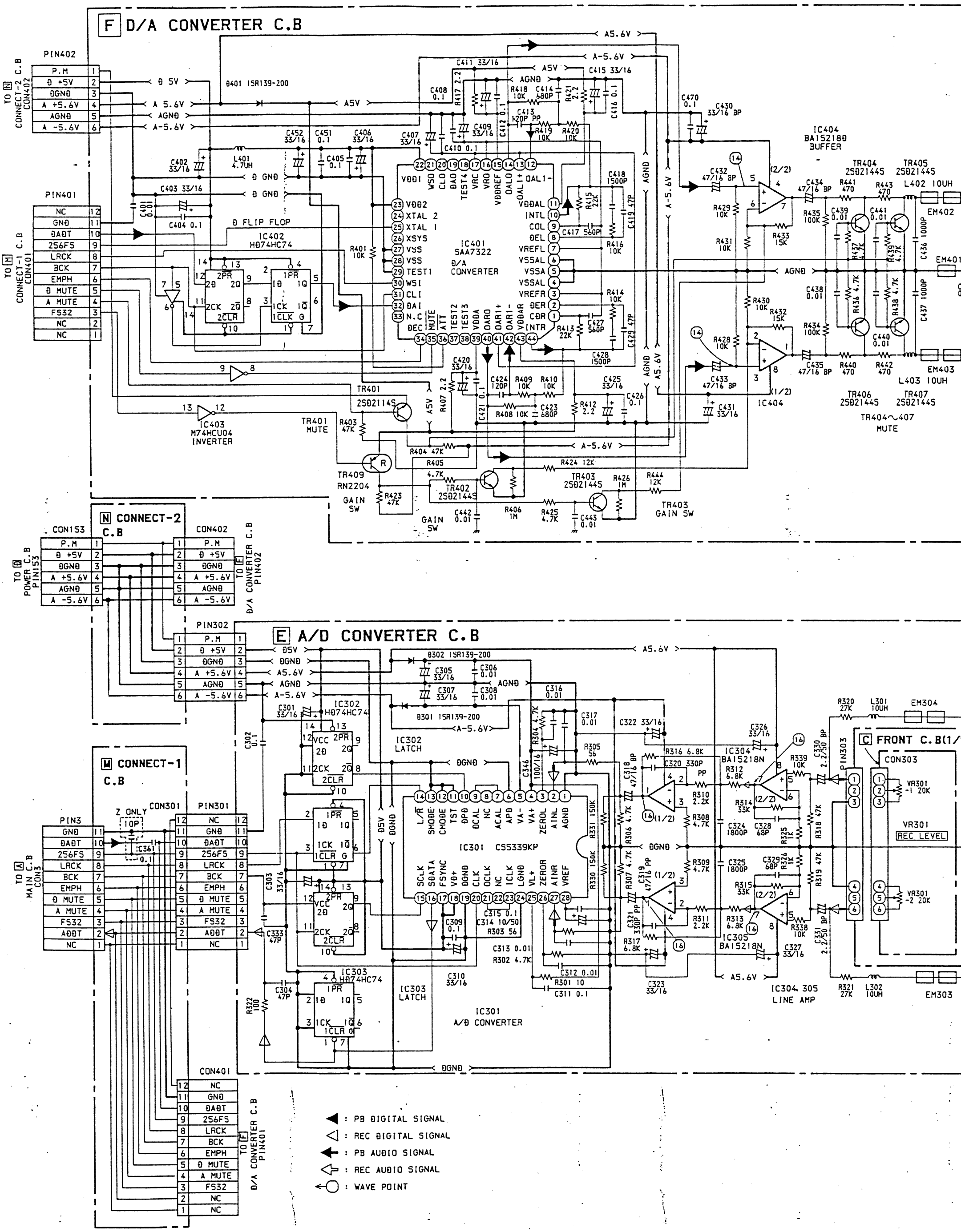
SCHEMATIC DIAGRAM – 3

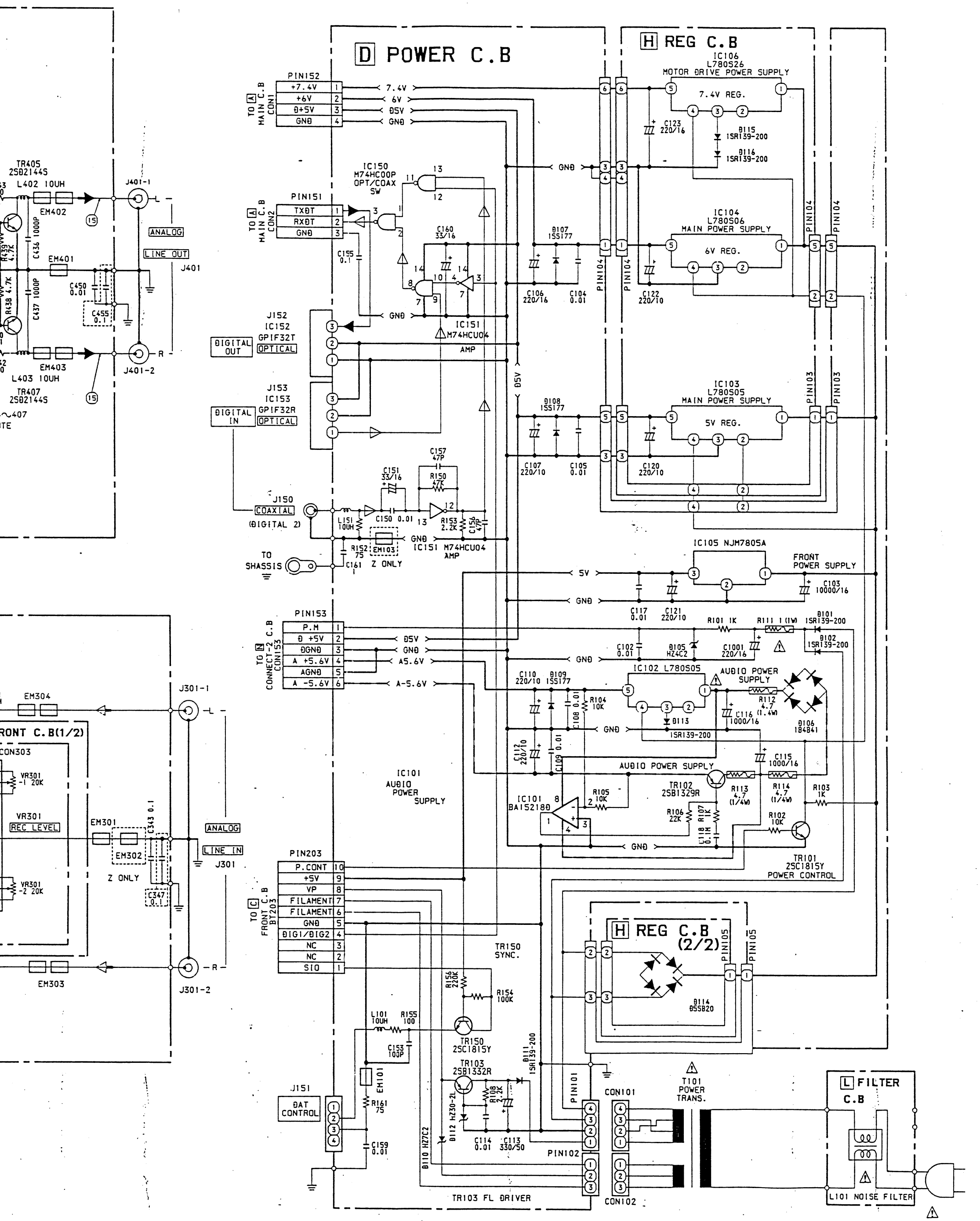



R204 1.2K
SW205
F.SKIP/FF
SW206
OPEN/CLOSE
R209 1.2K
SW210
CD SYNC REC
SW211
STOP/CLEAR
R213 1.2K
SW216
DISPLAY
SW215
COUNTER RESET
R218 1.2K
SW221
POWER
SW220
RENUMBER
(STANDBY /ON)
(TIMER SW)
TIMER OFF
PLAY
R227 47KX4
R220 4.7K
C201 4.7/50
IC202 PST523F RESET
33P
33P
X101 4.19MHz
IC201
CXP5058H-577
FL DRIVER
TIMER
PLAY
REC
SKIPON/OFF
INSEL 1
INSEL 2
MOD SEL
ACK
TOP
REQ
RMC
R/W
R221 4.7K
TR202 DTC144ES
TR201 DTA144ES
R222 100K
5G
4G
3G
2G
1G
-40
-30
-24
-18
-12
-6
0
OVER
PROHIBIT
1 ALL
P.TIME
A.TIME
SEARCH
PNO
RENUMBER
MEMORY

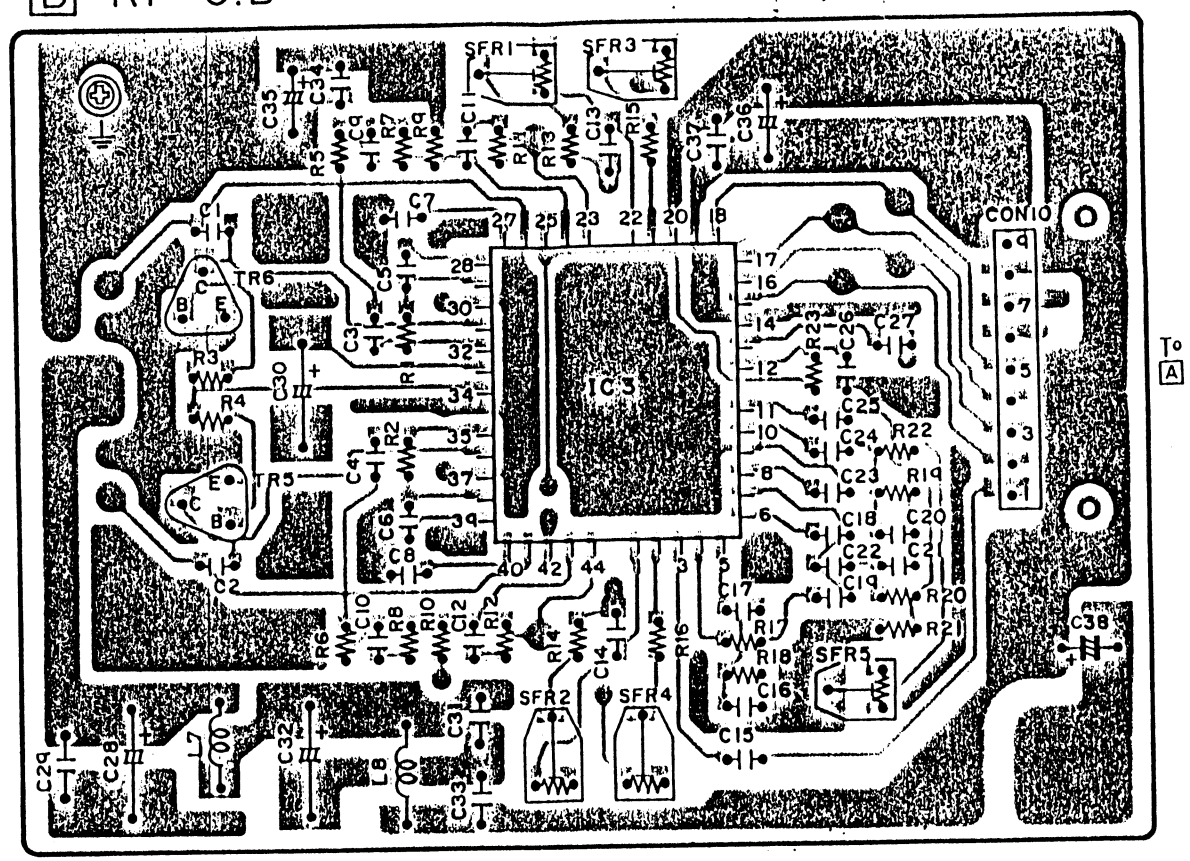
15

16


F D/A CONVERTER C.B
PIN402
P.M 1
Θ +5V 2
ΘGNΘ 3
A +5.6V 4
AGNΘ 5
A -5.6V 6
TO N CONNECT-2 C.B CON402
PIN401
NC 12
GNΘ 11
ΘAΘT 10
256FS 9
LRCK 8
BCK 7
EMPH 6
Θ MUTE 5
A MUTE 4
FS32 3
NC 2
NC 1
TO H CONNECT-1 C.B CON401
Θ5V
A5.6V
A-5.6V
ΘGNΘ
AGNΘ
Θ FLIP FLOP
Θ401 1SR139-200
L401 4.7UH
IC402 HΘ74HC74
IC401 SAA7322 Θ/A CONVERTER
IC403 M74HCU04 INVERTER
TR401 2SΘ2114S
TR401 MUTE
TR402 2SΘ2144S
TR403 2SΘ2144S
TR403 GAIN SW
TR404 2SΘ2144S
TR405 2SΘ2144S
TR406 2SΘ2144S
TR407 2SΘ2144S
TR404~407 MUTE
TR409 RN2204
GAIN SW
IC404 BA15218Θ BUFFER
IC404
L402 10UH
L403 10UH
EM401
EM402
EM403
N CONNECT-2 C.B
CON153
CON402
TO Θ POWER C.B PIN153
TO E D/A CONVERTER C.B PIN402
E A/D CONVERTER C.B
Θ302 1SR139-200
Θ301 1SR139-200
IC302 HΘ74HC74
IC302 LATCH
IC303 HΘ74HC74
IC303 LATCH
IC301 CS5339KP
IC301 A/Θ CONVERTER
IC304 BA15218N
IC305 BA15218N
IC304, 305 LINE AMP
M CONNECT-1 C.B
CON301
PIN301
Z ONLY
CON401
TO A MAIN C.B CON3
TO F D/A CONVERTER C.B PIN401
C FRONT C.B(1/
CON303
PIN303
VR301 -1 20K
VR301 -2 20K
VR301 REC LEVEL
: PB ΘIGITAL SIGNAL
: REC ΘIGITAL SIGNAL
: PB AUΘIO SIGNAL
: REC AUΘIO SIGNAL
: WAVE POINT

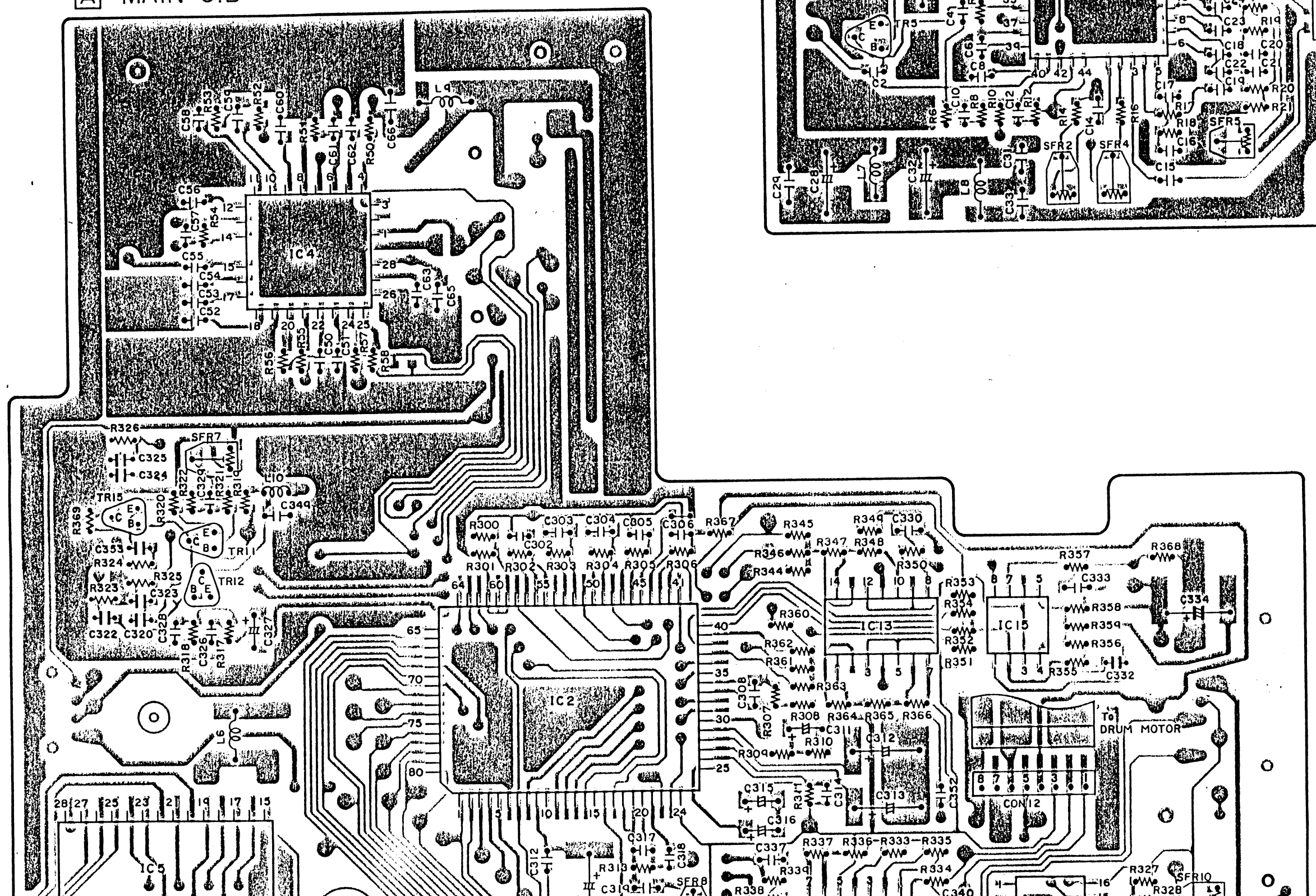

D POWER C.B
H REG C.B
PIN152
+7.4V 1
+6V 2
ØV 3
GNØ 4
TO A MAIN C.B CON1
7.4V
6V
ØV
GNØ
IC106 L78ØS26 MOTOR DRIVE POWER SUPPLY
7.4V REG.
C123 220/16
ØI15 1SR139-200
ØI16 1SR139-200
IC150 M74HC00P OPT/COAX SW
PIN151
TXØT 1
RXØT 2
GNØ 3
TO A MAIN C.B CON2
C155 0.1
C160 33/16
ØI07 1SS177
IC104 L78ØS06 MAIN POWER SUPPLY
6V REG.
C106 220/16
C104 0.01
C122 220/10
PIN104
J152
IC152 GPIF32T
ØIGITAL OUT
OPTICAL
AMP
IC151 M74HCU04
J153
IC153 GPIF32R
ØIGITAL IN
OPTICAL
ØI08 1SS177
IC103 L78ØS05 MAIN POWER SUPPLY
5V REG.
C107 220/10
C105 0.01
C120 220/10
PIN103
C157 47P
R150 47K
C151 33/16
J150
COAXIAL
(ØIGITAL 2)
L151 10UH
C150 0.01
R153 2.2K
C156 47P
R152 75
EM103 Z ONLY
TO SHASSIS
C161
IC105 NJM7805A
FRONT POWER SUPPLY
5V
GNØ
C103 10000/16
C117 0.01
C121 220/10
R101 1K
R111 1 (1W)
ØI01 1SR139-200
ØI02 1SR139-200
C102 0.01
ØI05 HZ4C2
C1001 220/16
PIN153
P.M 1
Ø +5V 2
ØGNØ 3
A +5.6V 4
AGNØ 5
A -5.6V 6
TO N CONNECT-2 C.B CON153
ØV
GNØ
A5.6V
A-5.6V
C110 220/10
ØI09 1SS177
IC102 L78ØS05
AUØIO POWER SUPPLY
R104 10K
C108 0.01
ØI13 1SR139-200
ØI06 1B4841
R112 4.7 (1.4W)
C116 1000/16
C112 220/10
C109 0.01
C115 1000/16
AUØIO POWER SUPPLY
IC101 AUØIO POWER SUPPLY
IC101 BA15218Ø
R105 10K
TR102 2SB1329R
R113 4.7 (1/4W)
R114 4.7 (1/4W)
R103 1K
R106 22K
R107 1K
C118 0.1
R102 10K
TR101 2SC1815Y POWER CONTROL
PIN203
P.CONT 10
+5V 9
VP 8
FILAMENT 7
FILAMENT 6
GNØ 5
ØIG1/ØIG2 4
NC 3
NC 2
SIO 1
TO C FRONT C.B BT203
TR150 SYNC.
R156 220K
R154 100K
L101 10UH
R155 100
C153 100P
TR150 2SC1815Y
TR103 2SB1332R
ØI11 1SR139-200
H REG C.B (2/2)
PIN105
ØI14 ØSSB20
J151
ØAT CONTROL
EM101
R161 75
C159 0.01
D112 HZ30-2L
R108 2.2K
C114 0.01
C113 330/50
ØI10 HZ7C2
PIN101
PIN102
CON101
CON102
T101 POWER TRANS.
L FILTER C.B
L101 NOISE FILTER
TR103 FL ØRIVER
K:AC 240V
Z:AC 220V
TR405 2SØ2144S
L402 10UH
EM402
J401-1
ANALOG
LINE OUT
J401
EM401
C436 1000P
C437 1000P
C450 0.01
C455 0.1
R439 4.7K
R438 4.7K
J401-2
R
EM403
L403 10UH
TR407 2SØ2144S
EM304
J301-1
FRONT C.B(1/2)
CON303
VR301 -1 20K
VR301 -2 20K
VR301 REC LEVEL
EM301
EM302
C343 0.1
C347 0.1
Z ONLY
ANALOG
LINE IN
J301
EM303
J301-2

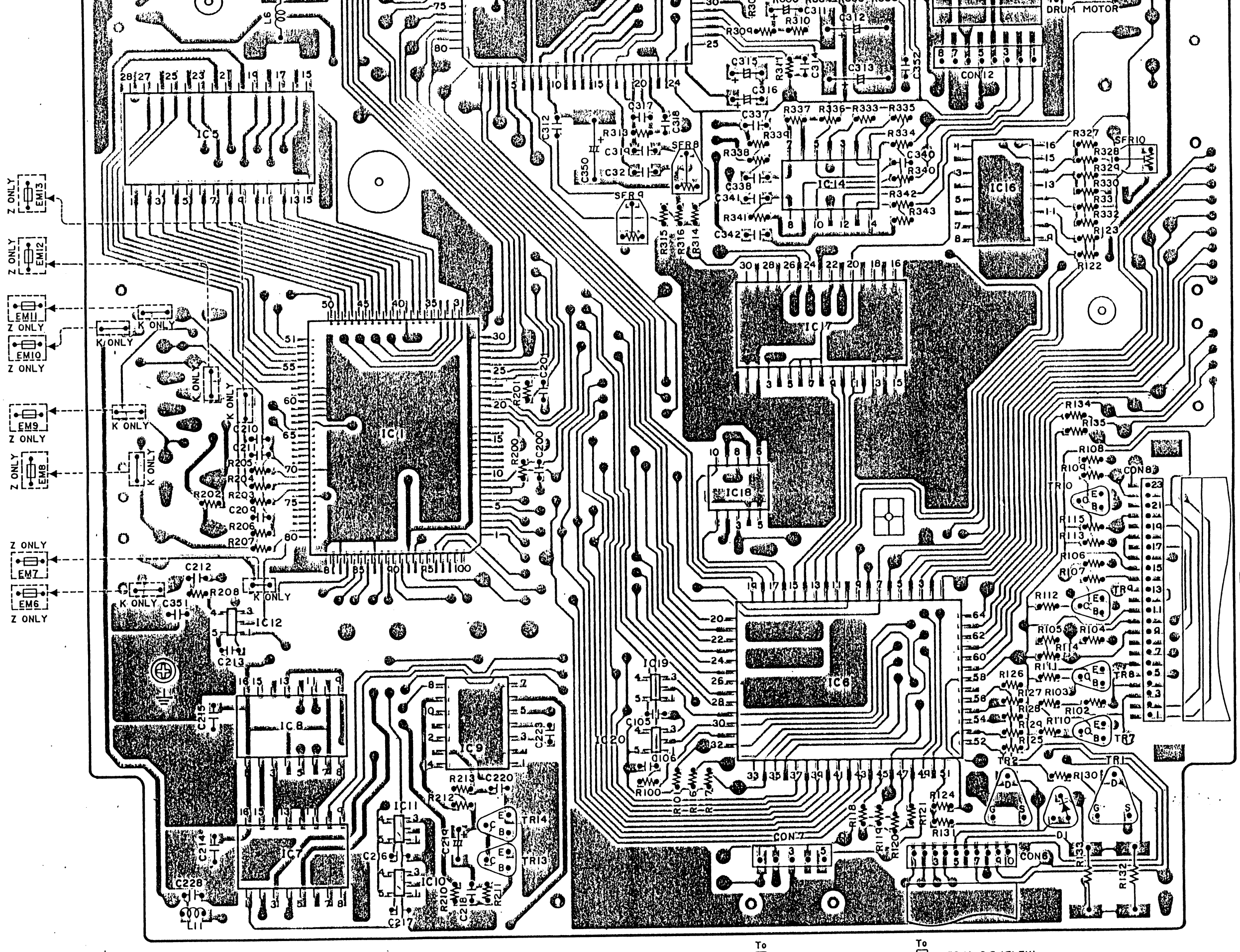
B RF C.B



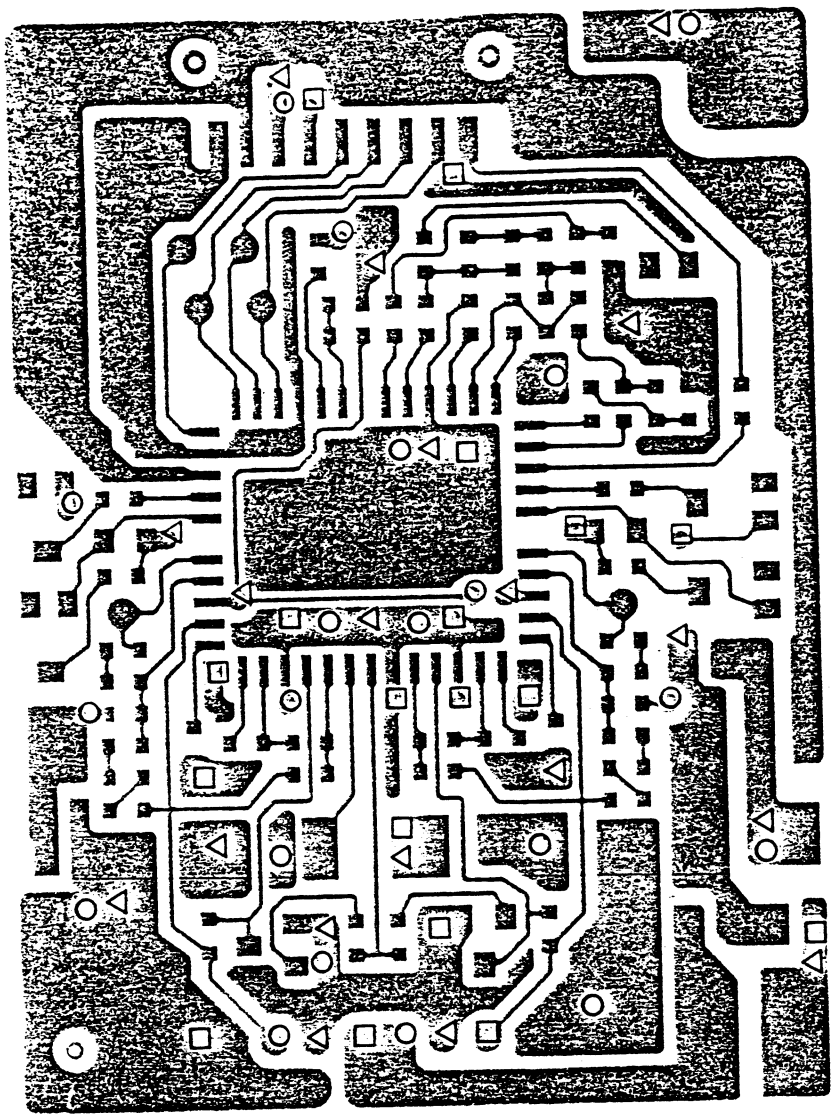
To
A MAIN C.B
CON11

A MAIN C.B

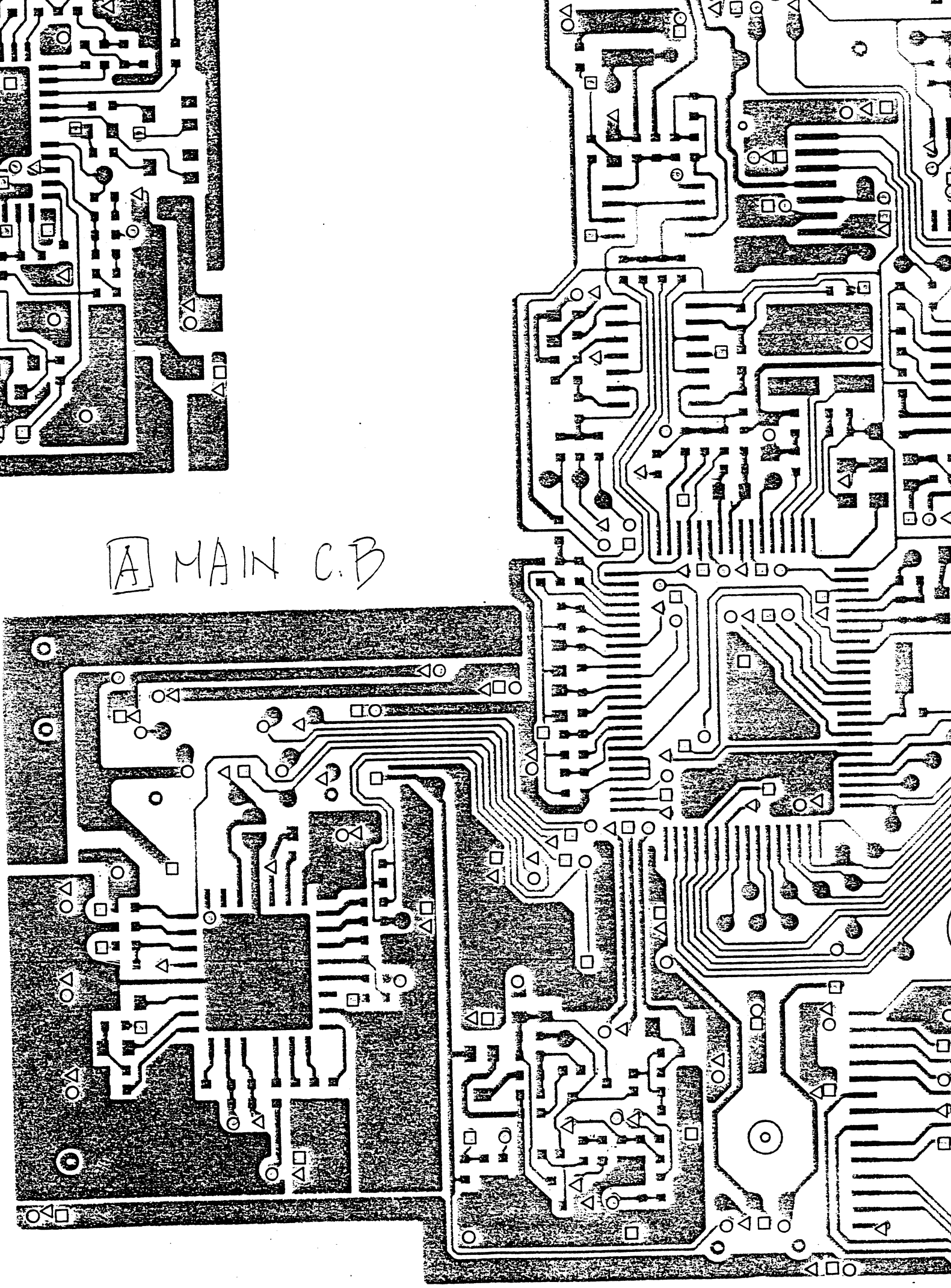



Z ONLY
EM13
EM12
EM11
EM10
EM9
EM8
EM7
EM6
K ONLY
IC5
IC1
IC6
IC7
IC8
IC9
IC10
IC11
IC12
IC14
IC16
IC17
IC18
IC19
IC20
SFR8
SFR9
SFR10
DRUM MOTOR
CON12
CON8
CON7
TR1
TR2
TR3
TR4
TR7
TR8
TR9
TR10
To
O TRAY MOTOR C.B
To
P MECHA C.B (FLEX)
To
P MECHA C.B (FLEX)

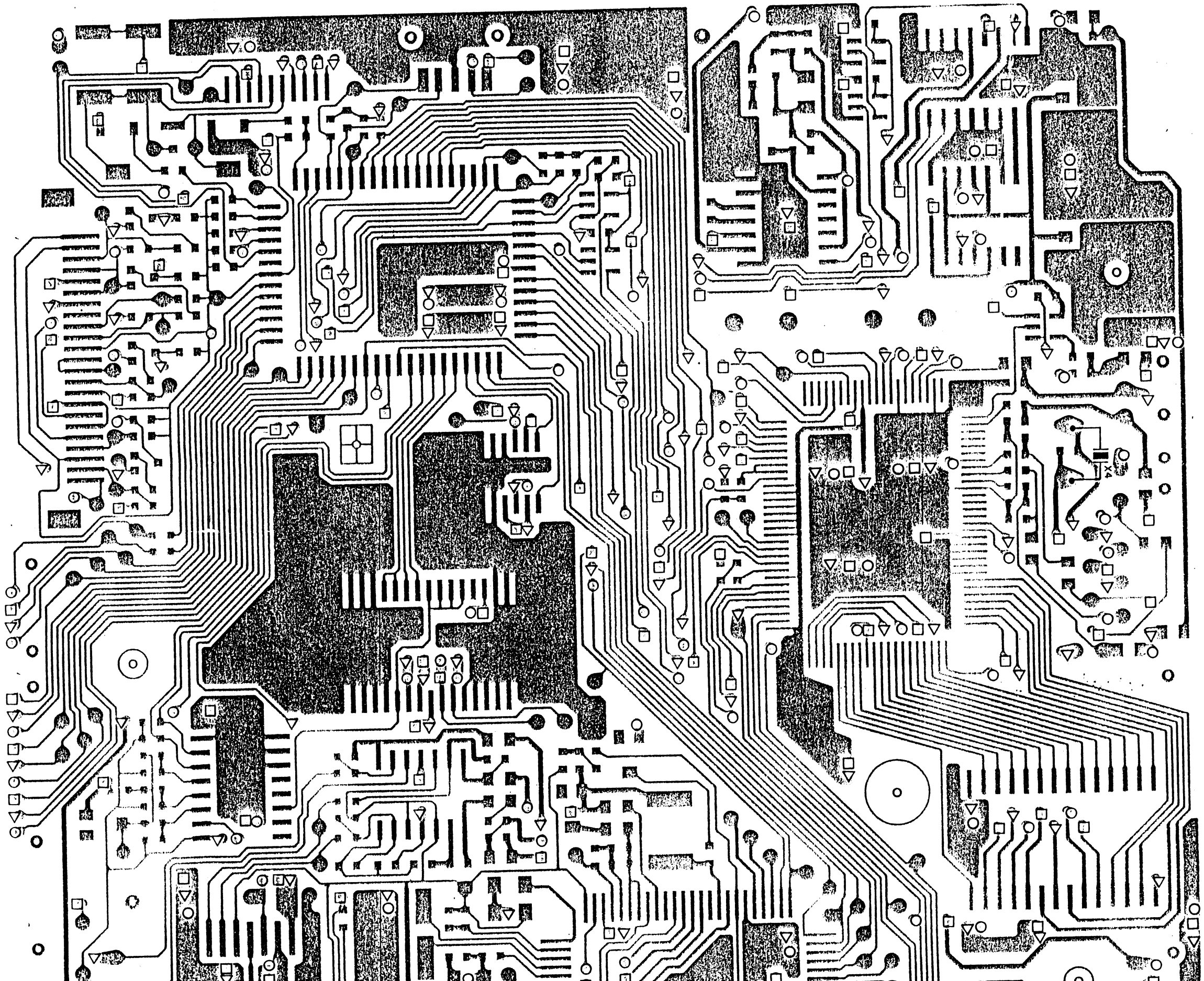
[B] RF C.B



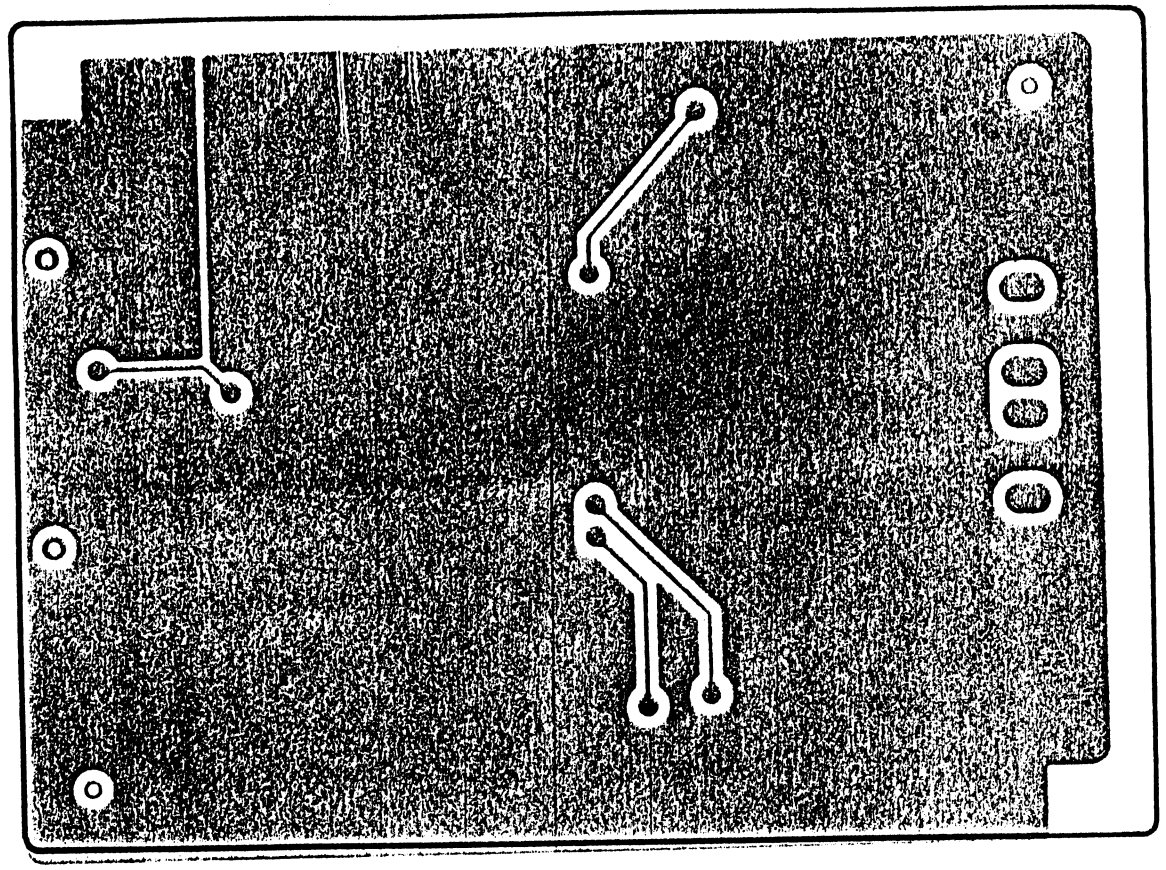
[A] MAIN C.B

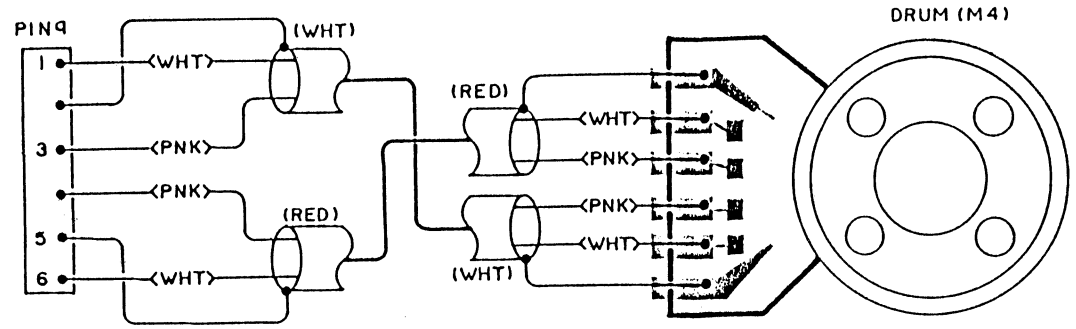


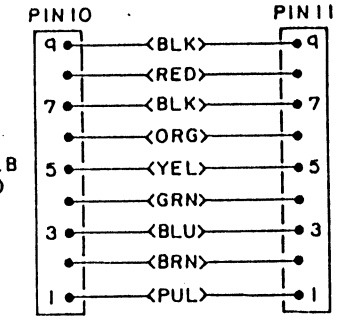
XD-S260K.Z (R) MAIN C.B 3/3 AE7E30X
(21)

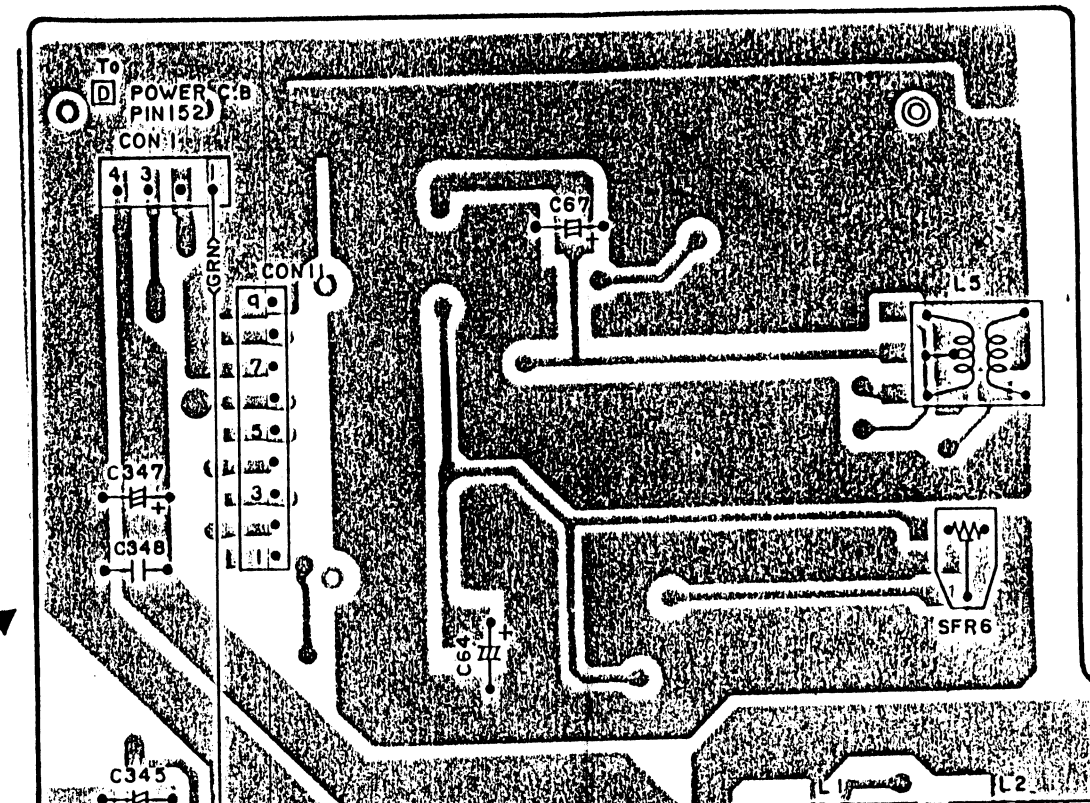


[B] RF C.B

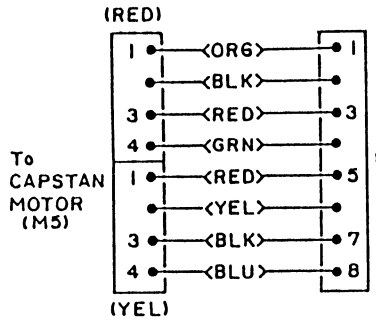


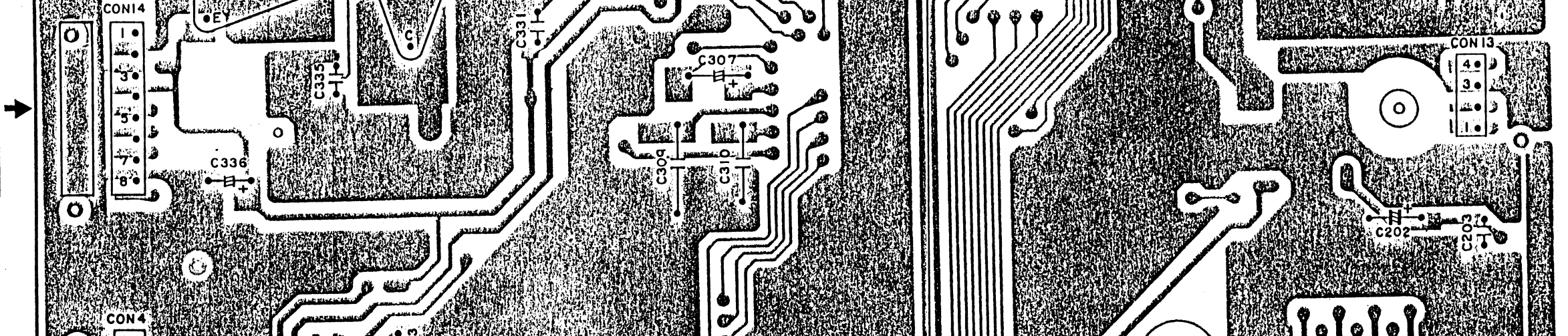


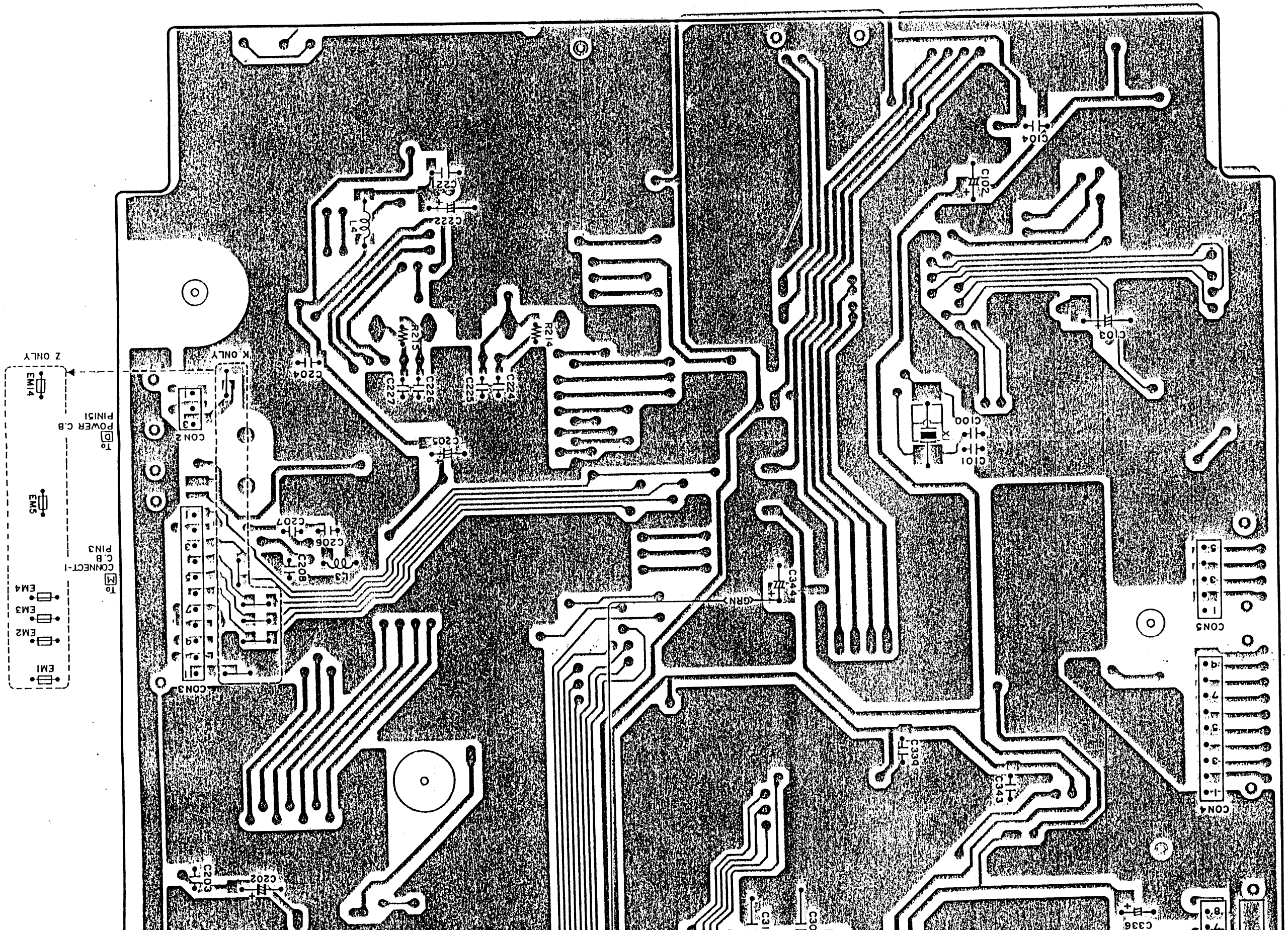




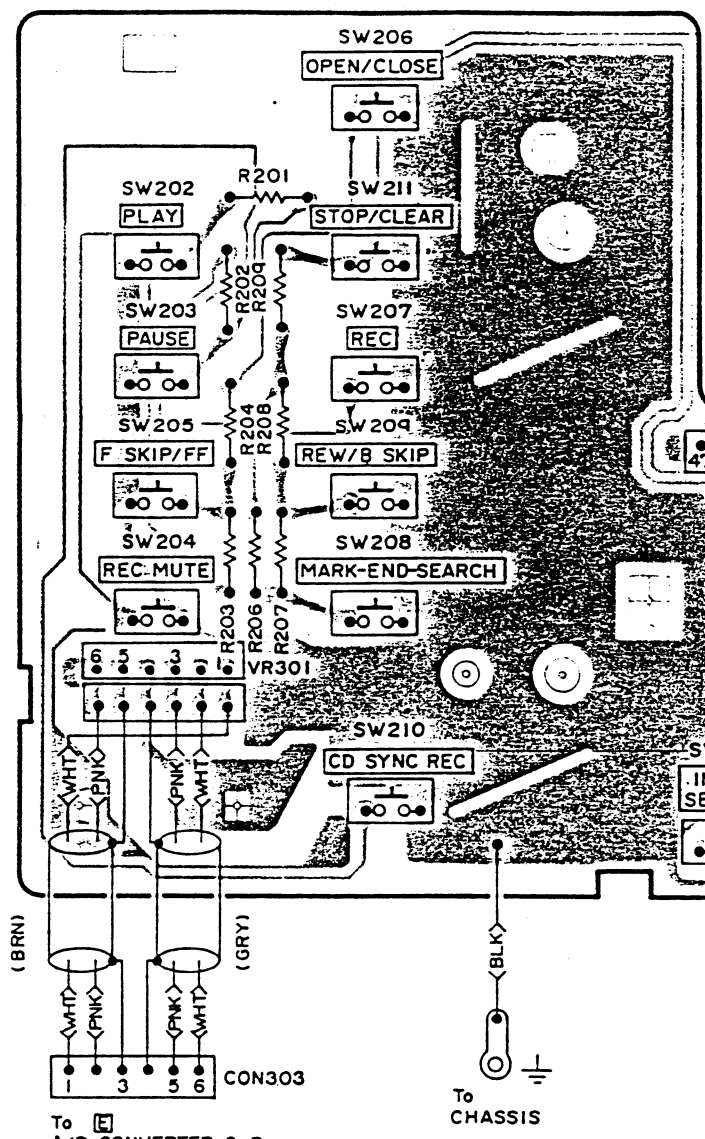
[A] MAIN C.B



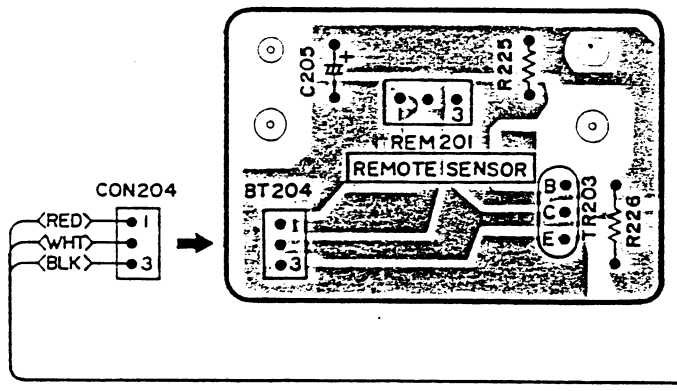



Z ONLY
K ONLY
EMI4
To
POWER C.B
PIN15
EMS
To
CONNECT-I
C.B
PIN3
EM4
EM3
EM2
EM1
CON2
CON3
C203
C204
C205
C206
C207
C208
C209
C202
C201
C227
C226
C225
C224
C223
C222
C221
L4
R215
R214
C344
GRN
C339
C343
C336
C337
C338
C100
C101
C102
C104
C103
CON5
CON4
To
FRONT
C.B
BT202
To
FRONT
C.B
BT201
(YEL)
BLU
BLK

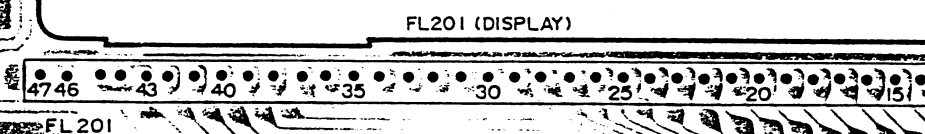
C FRONT C.B



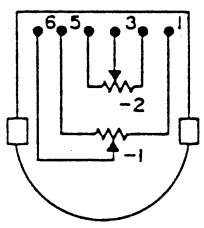
G REMOTE C.B



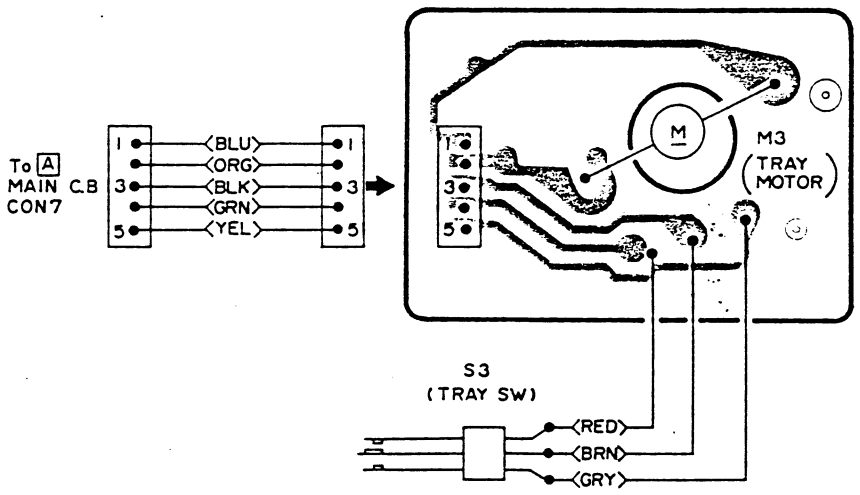
FL201 (DISPLAY)



VR301



O TRAY MOTOR C.B



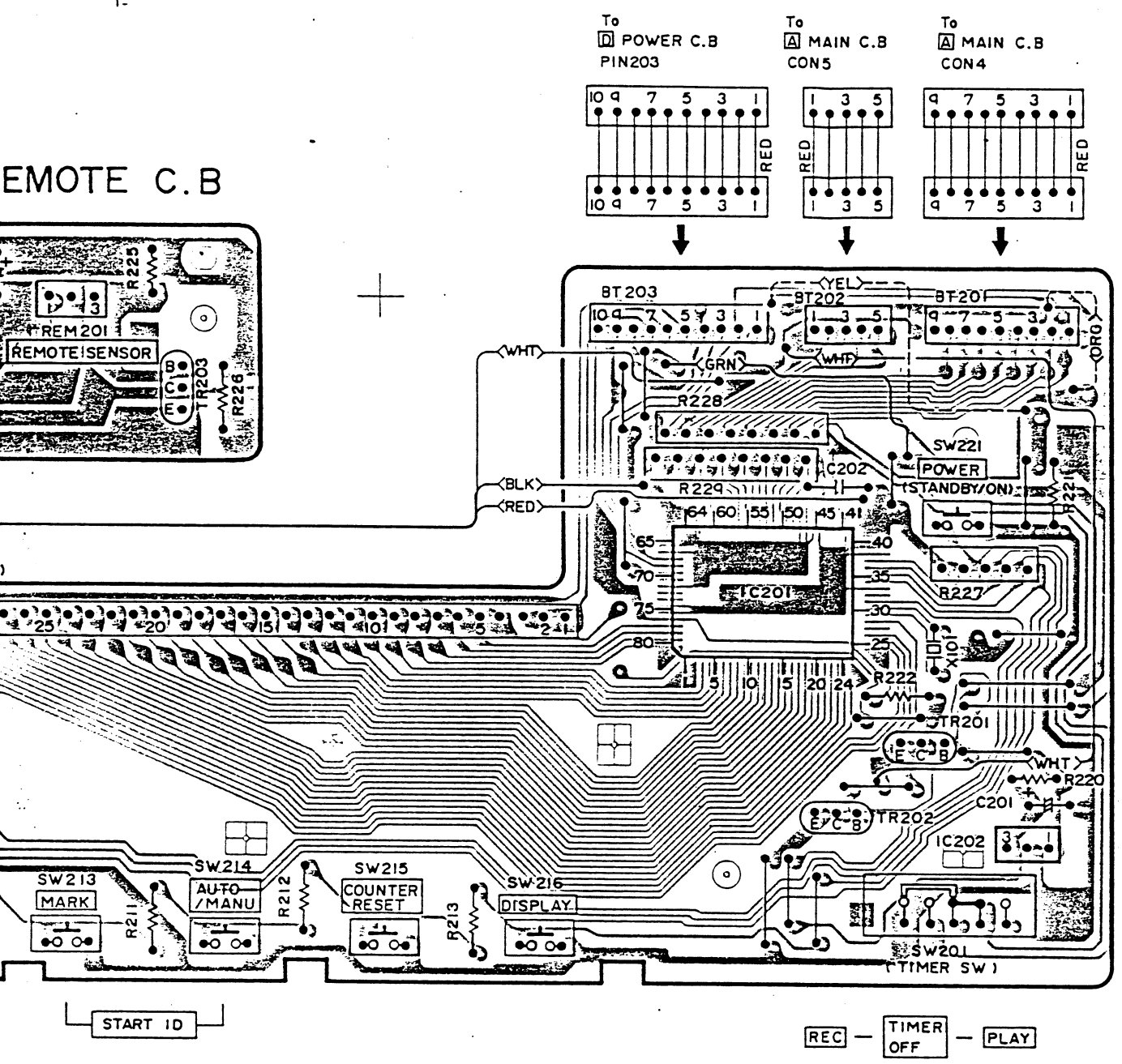
P MECHA C.

Q END SENSOR C.B

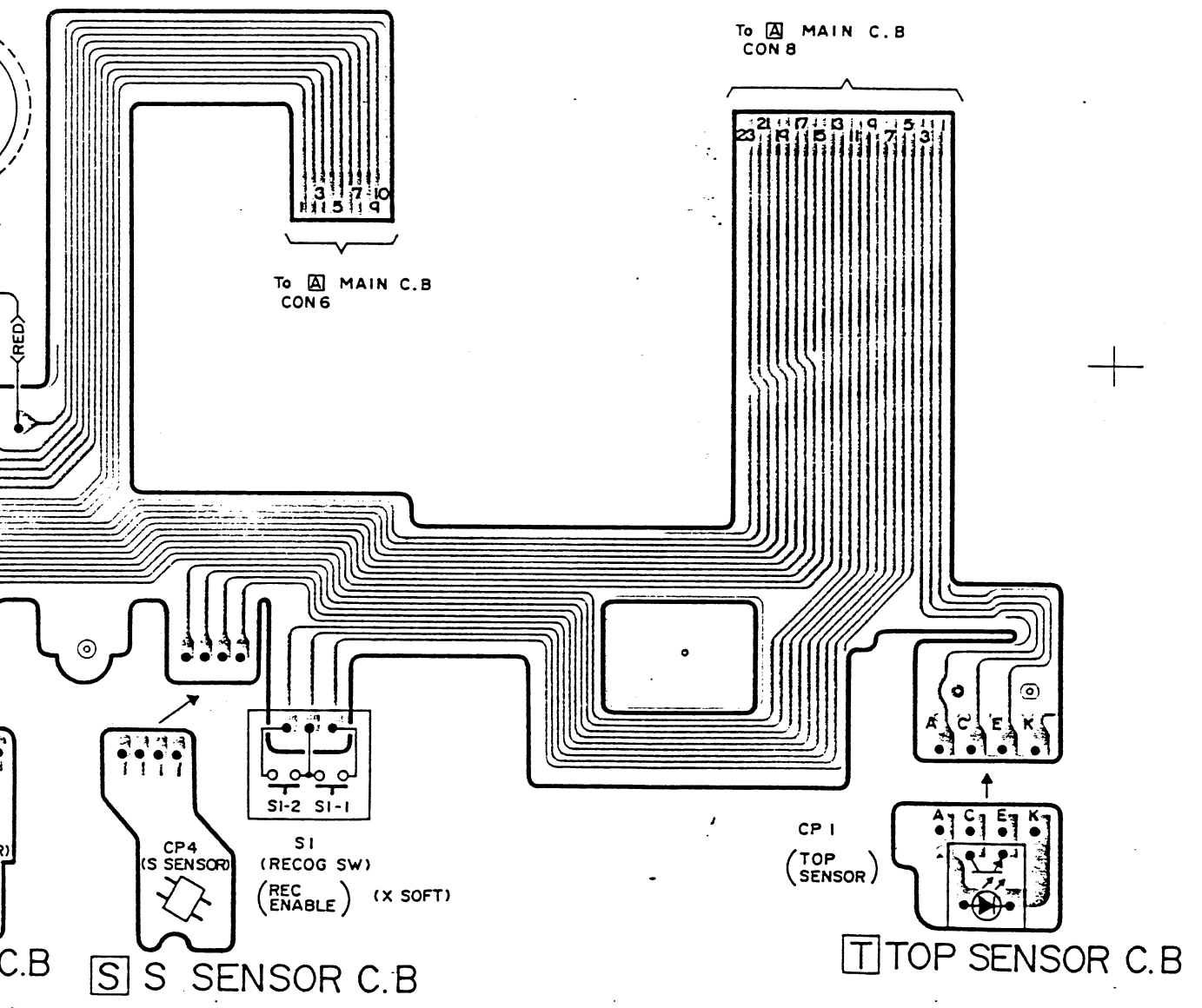
R T SENSOR C.B

S S SENSO

EMOTE C.B



P MECHA C.B (FLEXIBLE C.B)

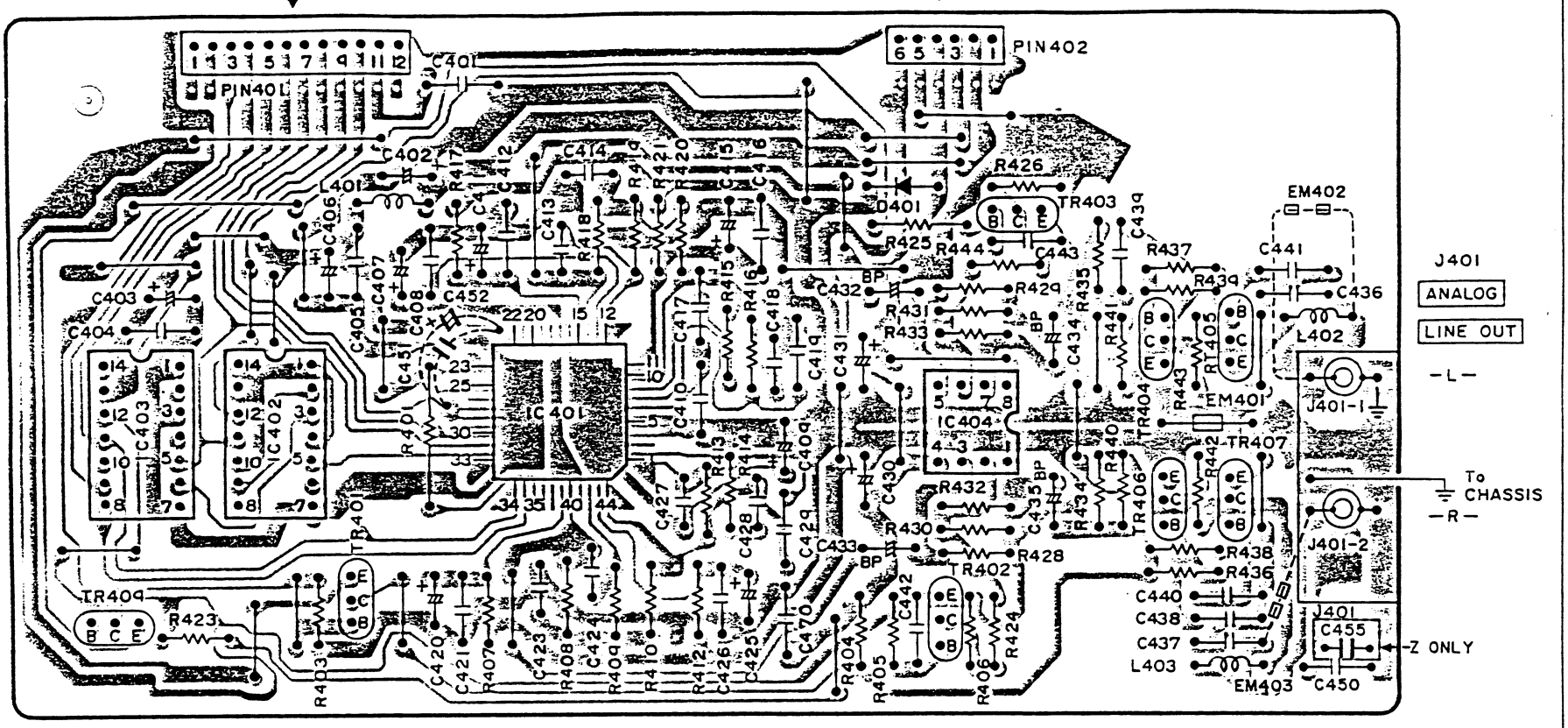


C.B

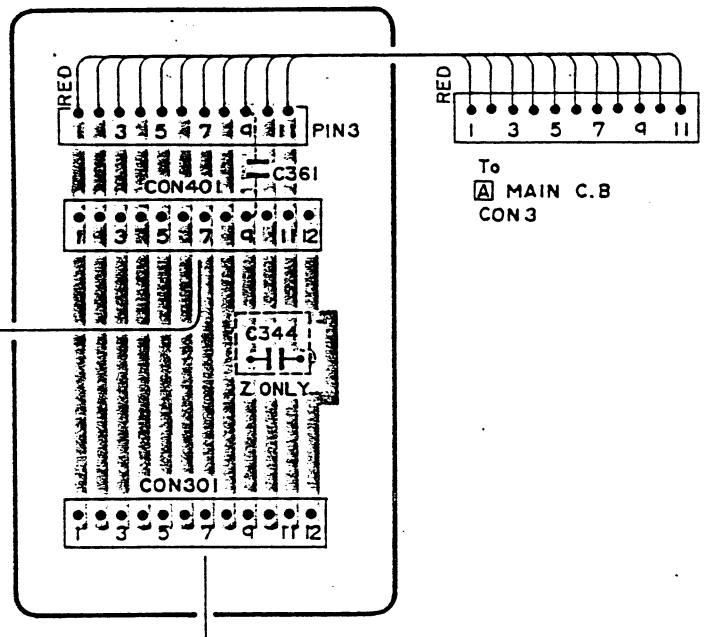
S S SENSOR C.B

T TOP SENSOR C.B

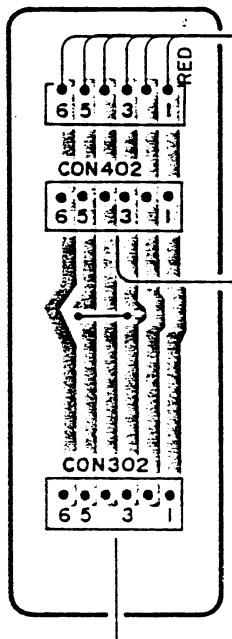
F D/A CONVERTER C.B



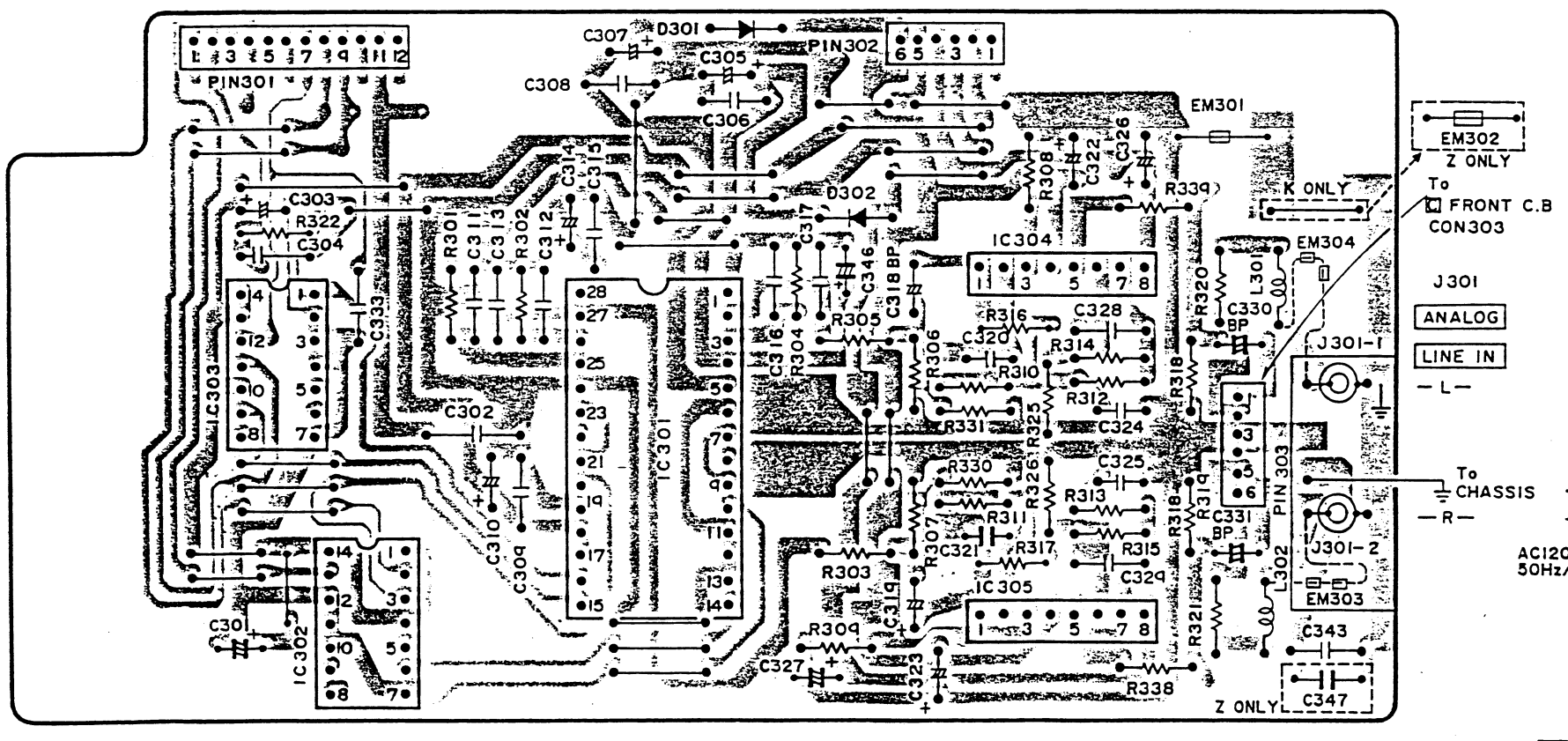
M CONNECT-1 C.B



N CONNECT-2 C.B



E A/D CONVERTER C.B



J150
(DIGITAL 2)
COAXIAL

J153
IC153
(DIGITAL I)
OPTICAL

J152
IC152
OPTICAL

To
SHASSIS

J151
DAT
CONTROL

DIGITAL IN

DIGITAL OUT

D POWER C.B

To
SHASSIS

Z ONLY
EMI03

K ONLY
C151

CONI53
RED

PIN153

BLK

IC102

D113

R104

C110

C112

D109

C108

C109

R112

C116

WHT

C115

D106

R114

R106

TR102

R105

PIN151

R113

R107

C118

PIN152

C106

D107

C104

PIN104

C103

TR103

D111

R108

D110

IC105

D112

C114

PIN102

TR101

R102

PIN203

C117

C121

J150

IC153

IC152

J153

J152

C161

C157

C160

C159

J151

D101

D102

R111

L101

R161

R155

C102

R101

TR150

B C E

R156

C153

R154

EMI01

C101

PIN105

ORG

C113

WHT

R103

PIN103

C107

D108

C105

<BLK>

CONI01
BLU
BRN
BLK
ORG

CONI02
RED
GRY
RED

To
A MAIN C.B
CON2

To
A MAIN C.B
CON1

To
C FRONT C.B
BT203

H REG C.B

PIN105

D114

IC106

D115

C123

D116

PIN104

C122

IC104

PIN103

C120

IC103

H MODEL ONLY

H MODEL ONLY

J101
AC OUTLET
UNSWITCHED
200W MAX

WHT

WHT

BLK

BLK

/220V/240V
0Hz

L FILTER C.B

L101

RED

BLK

S101
AC VOLTAGE

P

YEL

240V

220V

120V

ORG

WHT

T101
POWER
TRANS

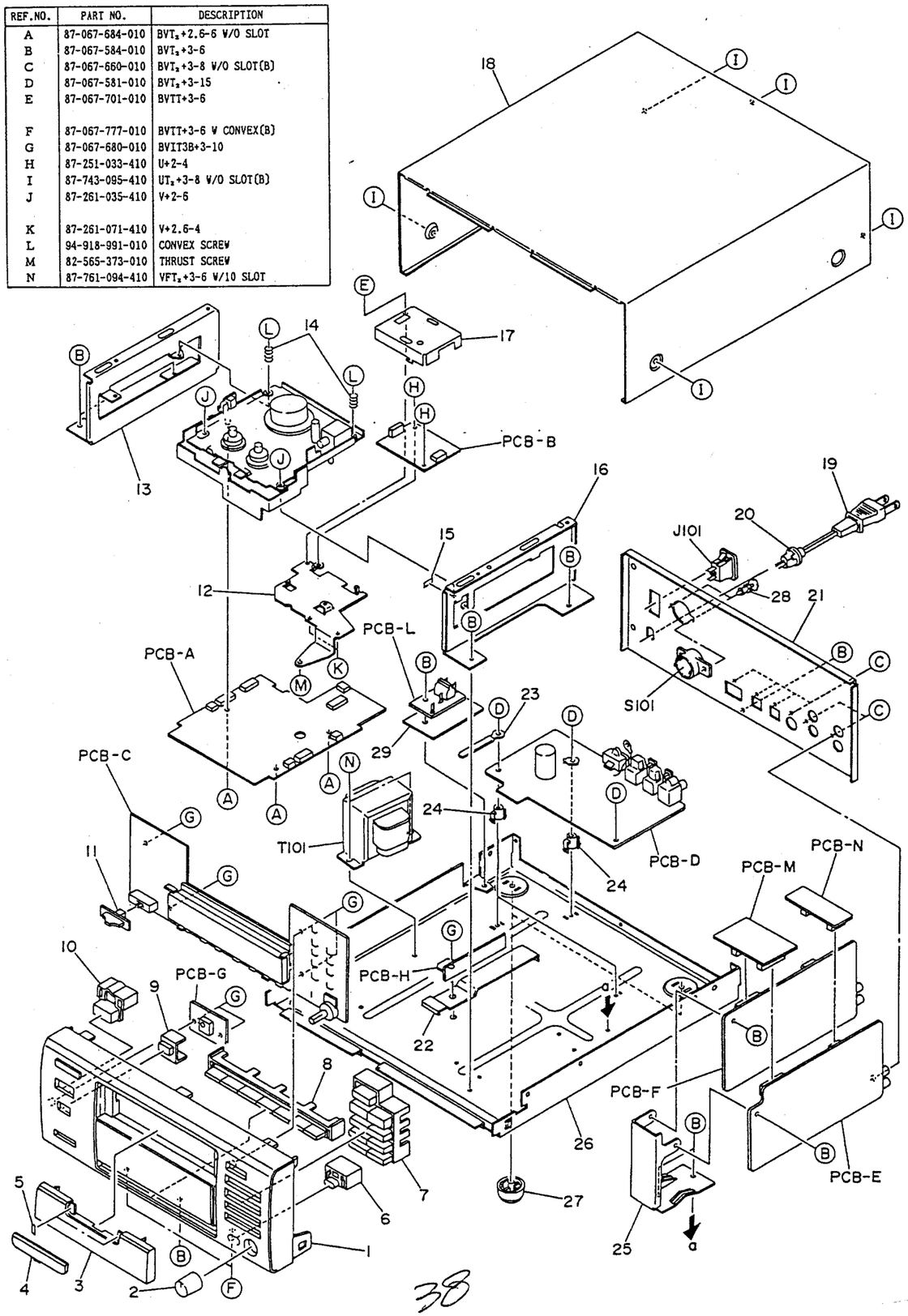
RED
GRY
RED
ORG
BLK
BRN
BLU

K: AC 240V 50HZ

E: AC 220V 50HZ.

EXPLODED VIEW – 1

REF.NO.	PART NO.	DESCRIPTION
A	87-067-684-010	BVT$_2$+2.6-6 W/O SLOT
B	87-067-584-010	BVT$_2$+3-6
C	87-067-660-010	BVT$_2$+3-8 W/O SLOT(B)
D	87-067-581-010	BVT$_2$+3-15
E	87-067-701-010	BVTT+3-6
F	87-067-777-010	BVTT+3-6 W CONVEX(B)
G	87-067-680-010	BVIT3B+3-10
H	87-251-033-410	U+2-4
I	87-743-095-410	UT$_2$+3-8 W/O SLOT(B)
J	87-261-035-410	V+2-6
K	87-261-071-410	V+2.6-4
L	94-918-991-010	CONVEX SCREW
M	82-565-373-010	THRUST SCREW
N	87-761-094-410	VFT$_2$+3-6 W/10 SLOT

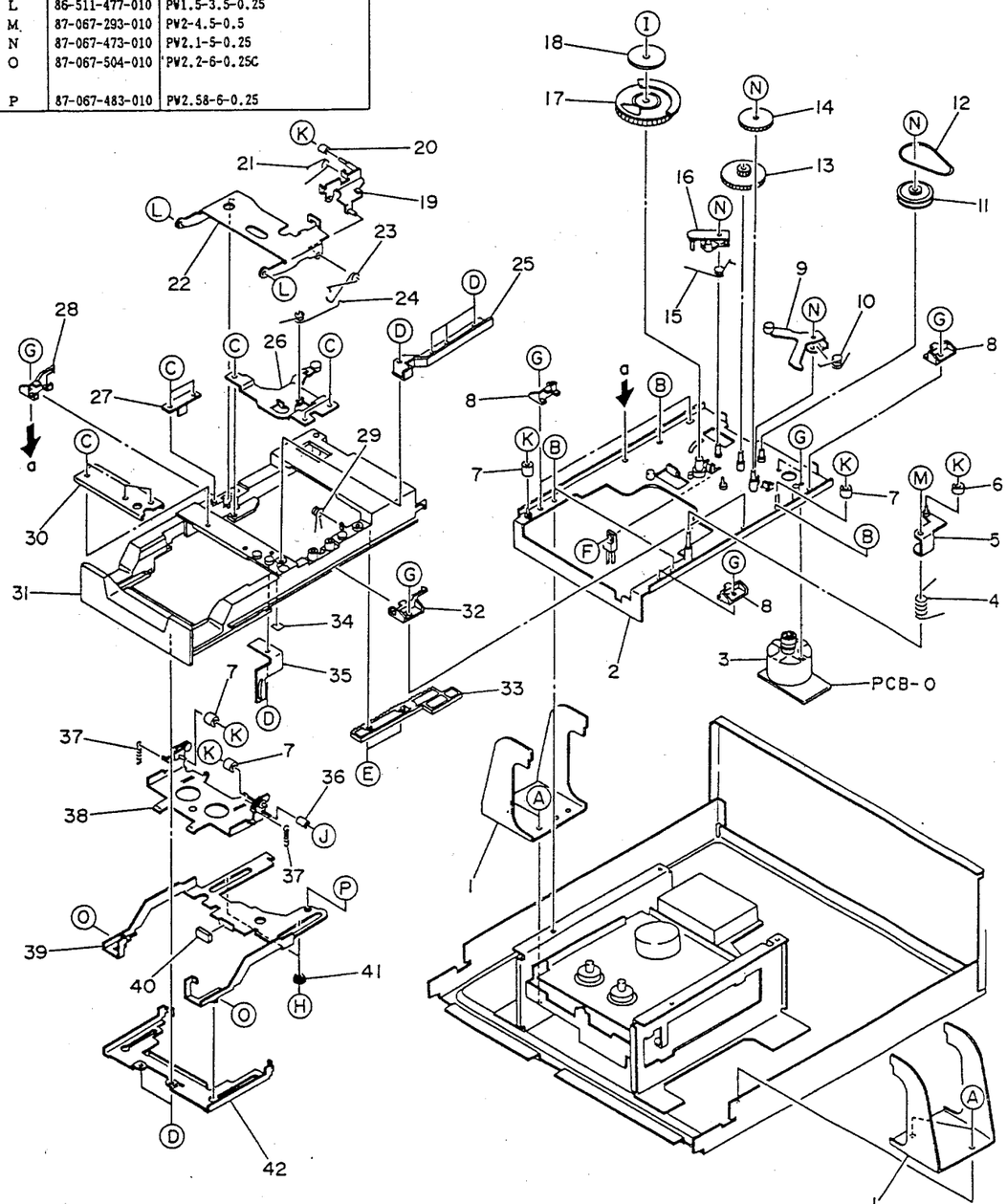


MECHANICAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	1-1	★09-057-083-010	FRONT CABINET ASSY	*	1
	1-2	★84-790-015-019	KNOB, VOLUME		1
	1-3	★80-MQ1-003-010	TRAY, PANEL	*	1
	1-4	★80-MQ1-008-010	TRAY, WINDOW	*	1
	1-5	★80-HD1-226-010	ADHESIVE-SHEET B		2
	1-6	★80-MQ1-006-010	KEY, REC	*	1
	1-7	★80-MQ1-005-010	KEY, PLAY	*	1
	1-8	★80-MQ1-007-010	KEY, DISPLAY	*	1
	1-9	★80-VT1-009-010	SENSOR, LENS		1
	1-10	★80-VX1-007-010	BUTTON, POWER		1
	1-11	★80-MQ1-010-010	KNOB, SLIDE	*	1
	1-12	---	HOLDER, RF		1
	1-13	★80-MQ1-202-010	HOLDER, MECHANISM L	*	1
	1-14	★84-731-233-010	C-SPRING, MD		2
	1-15	★89-HD1-278-010	SHEET, PWB		1
	1-16	★80-MQ1-203-010	HOLDER, MECHANISM R	*	1
	1-17	★80-MQ1-207-110	COVER, SHIELD	*	1
	1-18	★80-MQ1-012-010	CABINET, STEEL	*	1
	1-19	★87-034-761-010	AC CORD ASSY(H)		1
	1-19	★87-034-760-010	AC CORD ASSY(K)		1
	1-19	★82-187-797-019	AC CORD ASSY(Z)		1
	1-20	★87-085-184-010	BUSHING, AC CORD(H)		1
	1-20	★87-085-178-010	BUSHING, AC CORD(K)		1
	1-20	★87-085-185-010	BUSHING, AC CORD(Z)		1
	1-21	★80-MQ1-028-010	PANEL, REAR(H)	*	1
	1-21	★80-MQ1-026-010	PANEL, REAR(K)	*	1
	1-21	★80-MQ1-025-010	PANEL, REAR(Z)	*	1
	1-22	★80-MQ1-214-010	HOLDER, IC	*	1
	1-23	---	BINDER, WIRE		1
	1-24	---	HOLDER, P.C.B		3
	1-25	---	HOLDER, P.C.B		1
	1-26	---	CHASSIS, MAIN DAT		1
	1-27	★81-675-010-010	FOOT, H10		2
	1-28	★87-084-063-010	RIVET, NYLON 3-5.5(H)		2
	1-29	★80-MQ1-216-010	SHEET, COVER	*	1

EXPLODED VIEW – 2

REF.NO.	PART NO.	DESCRIPTION
A	87-067-584-010	BVT$_2$+3-8 W/O SLOT(B)
B	87-067-701-010	BVTT+3-5
C	87-723-073-410	QT$_2$+2.6-6(B)
D	87-743-073-410	UT$_2$+2.6-6(B)
E	87-743-074-010	UT$_2$+2.6-8
F	87-267-509-310	V+1.4-4
G	87-261-071-410	V+2.6-4
H	87-067-296-010	S-SCREW+2-4
I	87-481-071-210	SCREW VWS+2.6-4
J	87-067-128-010	PW0.8-2-0.25
K	87-067-137-110	PW1.5-3.5-0.25
L	86-511-477-010	PW1.5-3.5-0.25
M	87-067-293-010	PW2-4.5-0.5
N	87-067-473-010	PW2.1-5-0.25
O	87-067-504-010	PW2.2-6-0.25C
P	87-067-483-010	PW2.58-6-0.25



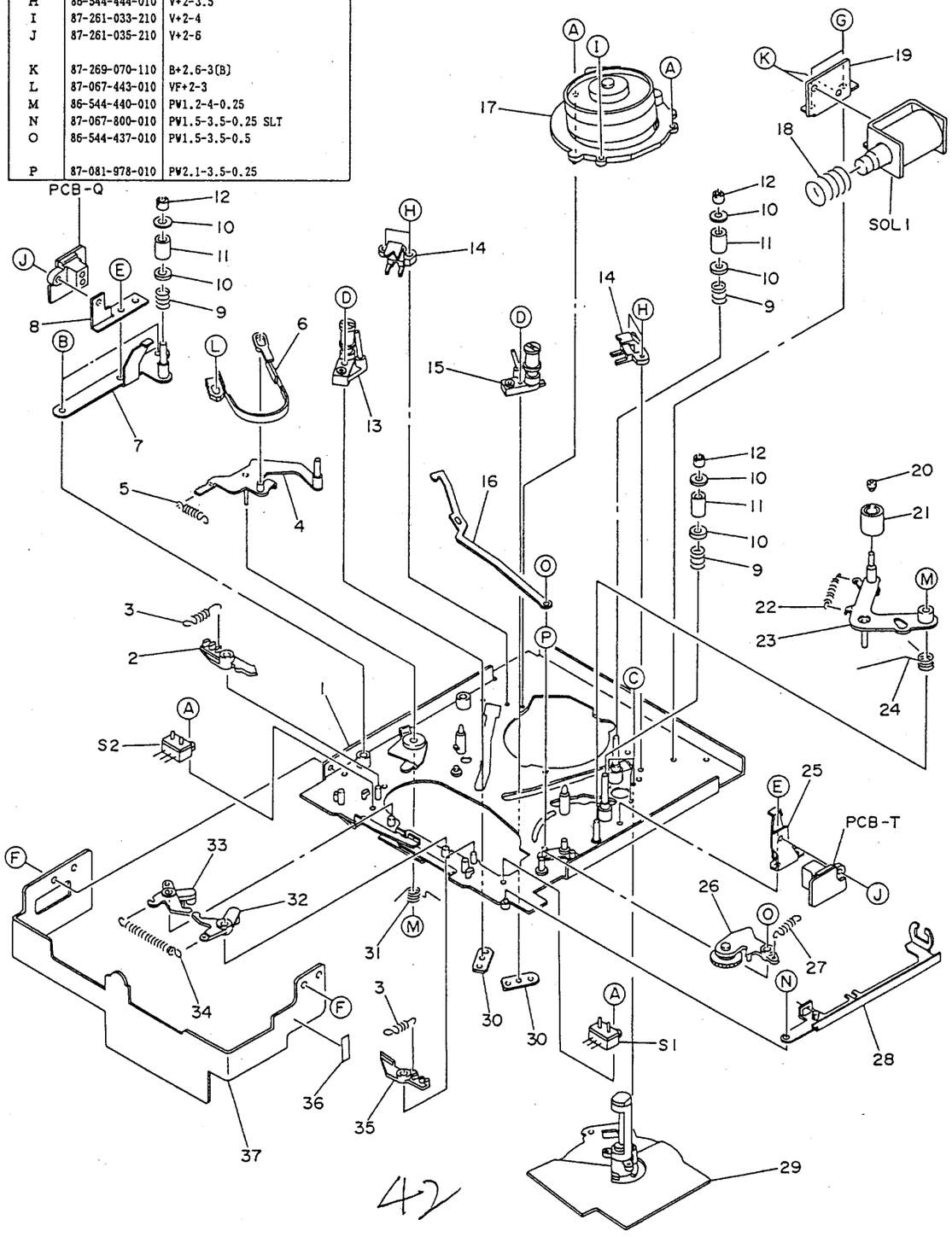
40

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	2-1	80-MQ1-208-010	HOLDER, SUB	*	2
	2-2	★84-731-401-110	CASSETTE COMPONENT CHASSIS ASSY		1
	2-3	★09-051-008-010	SLED MOTOR ASSY	*	1
	2-4	★84-731-485-010	T-SPRING, TL HOLDER		1
	2-5	★84-731-480-010	TL SAFETY LEVER ASSY		1
	2-6	★84-731-483-010	COLLAR, TL		1
	2-7	★84-731-416-010	COLLAR, CASSETTE		4
	2-8	★84-731-429-010	GUIDE, TRAY F		4
	2-9	★84-731-471-010	TRAY LOCK LEVER ASSY		1
	2-10	★84-731-478-010	T-SPRING, T-LOCK		1
	2-11	★84-731-427-010	GEAR, RELAY A		1
	2-12	84-731-496-010	BELT, SQ 1.5-32		1
	2-13	★84-731-466-010	GEAR, RELAY B		1
	2-14	★84-731-467-010	GEAR, RELAY C		1
	2-15	★84-731-438-010	T-SPRING, SL LOCK		1
	2-16	★84-731-497-110	SL LOCK ASSY		1
	2-17	★84-731-426-010	CAM		1
	2-18	★84-731-487-010	PLATE, STOPPER		1
	2-19	★84-731-420-110	LEVER CASSETTE BOX ASSY		1
	2-20	★84-731-425-010	COLLAR, CAM		1
	2-21	★84-731-469-010	T-SPRING, CASSETTE LEVER		1
	2-22	★84-731-417-110	ARM CASSETTE BOX ASSY		1
	2-23	★84-731-465-010	T-SPRING, ARM		1
	2-24	★84-731-474-010	T-SPRING, TL		1
	2-25	★84-731-484-010	GUIDE, TL		1
	2-26	★84-731-475-010	LEVER HOLDER ASSY		1
	2-27	★84-731-446-010	LEVER, STOPPER		1
	2-28	★84-731-463-010	GUIDE, TRAY ML		1
	2-29	★84-731-459-010	T-SPRING, TL		1
	2-30	★84-731-499-010	PLATE, T		1
	2-31	★84-731-033-010	TRY		1
	2-32	★84-731-464-010	GUIDE, TRAY MR		1
	2-33	★84-731-445-010	RACK, TRAY		1
	2-34	★87-063-145-010	MYLAR, 6-6-0.15		1
	2-35	★84-731-508-010	HOLDER, GUIDE		1
	2-36	★84-731-415-010	COLLAR, GUIDE		1
	2-37	★84-731-468-010	E-SPRING, CASSETTE GUARD		2
	2-38	★84-731-406-010	BOX ASSY		1
	2-39	★84-731-439-010	PLATE CASSETTE PUSH ASSY		1
	2-40	★84-731-495-010	S-CUSHION, 14-4-2		1
	2-41	★84-731-493-010	COLLAR		2
	2-42	★84-731-442-110	PLATE, TRAY		1

41

EXPLODED VIEW – 3

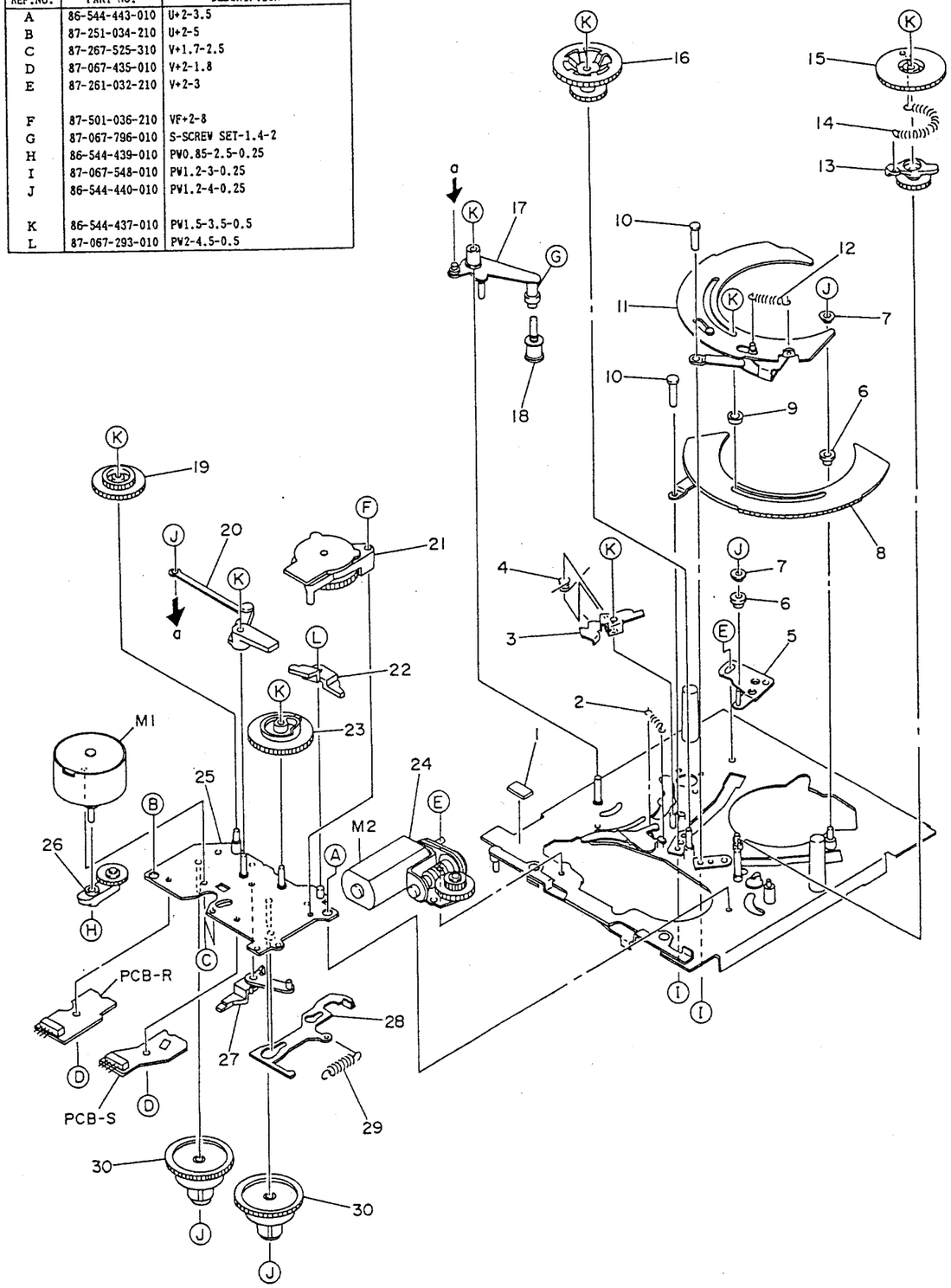
REF.NO.	PART NO.	DESCRIPTION
A	87-251-033-210	U+2-4
B	87-342-035-210	UT_2+2-6
C	87-267-527-310	V+1.7-3
D	87-267-532-310	V+1.7-5.5
E	87-067-435-010	V+2-1.8
F	87-261-031-410	V+2-2
G	87-261-032-210	V+2-3
H	86-544-444-010	V+2-3.5
I	87-261-033-210	V+2-4
J	87-261-035-210	V+2-6
K	87-269-070-110	B+2.6-3(B)
L	87-067-443-010	VF+2-3
M	86-544-440-010	PW1.2-4-0.25
N	87-067-800-010	PW1.5-3.5-0.25 SLT
O	86-544-437-010	PW1.5-3.5-0.5
P	87-081-978-010	PW2.1-3.5-0.25



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	3-1	★86-544-201-510	MECHANISM CHASSIS ASSY	*	1
	3-2	★86-544-395-010	S SOFT BRAKE	*	1
	3-3	★86-544-417-010	E-SPRING, SOFT	*	2
	3-4	★86-544-261-110	TENREG LEVER ASSY	*	1
	3-5	★86-544-423-210	E-SPRING, SLIDE LEVER	*	1
	3-6	★86-544-319-010	TENREG BAND ASSY	*	1
	3-7	★86-544-339-110	LID OPNER ASSY	*	1
	3-8	★86-544-359-010	HOLDER, ES R	*	1
	3-9	★86-544-411-010	C-SPRING, GUIDE	*	3
	3-10	★86-544-347-010	FLANGE, GUIDE	*	6
	3-11	★86-544-371-010	ROLLER A	*	3
	3-12	★86-544-373-010	NUT, GUIDE	*	3
	3-13	★86-544-324-110	SHUTTLE L ASSY	*	1
	3-14	★86-544-336-010	SHUTTLE STOP ASSY	*	2
	3-15	★86-544-328-110	SHUTTLE R ASSY	*	1
	3-16	★86-544-361-010	PLATE, KICK TENSION-RGLT	*	1
	3-17	86-544-617-010	DRUM	*	1
	3-18	★86-544-412-010	C-SPRING, SOLENOIDE	*	1
	3-19	★86-544-357-010	HOLDER, SOLENOIDE	*	1
	3-20	★86-544-288-010	COLLAR, ROLLER PINCH B	*	1
	3-21	86-544-289-010	PINCH ROLLER ASSY	*	1
	3-22	---	E-SPRING, PINCH ROLLER		1
	3-23	86-544-281-310	PINCH ARM ASSY	*	1
	3-24	★86-544-428-010	T-SPRING, PINCH ARM	*	1
	3-25	★86-544-360-010	HOLDER, ES L	*	1
	3-26	★86-544-363-110	RVS MAIN ARM ASSY	*	1
	3-27	★86-544-425-110	E-SPRING, RVS ARM	*	1
	3-28	★86-544-316-110	PLUNGER SLIDER ASSY	*	1
	3-29	★86-544-616-010	MOTOR, CAPSTAN	*	1
	3-30	★86-544-352-010	PLATE, SHUTTLE	*	2
	3-31	★86-544-427-010	T-SPRING, TENREG	*	1
	3-32	★86-544-366-010	BRAKE LEVER ASSY R	*	1
	3-33	★86-544-365-110	BRAKE LEVER ASSY L	*	1
	3-34	★86-544-418-010	E-SPRING, MAIN BRAKE	*	1
	3-35	★86-544-356-010	T SOFT BRAKE ASSY	*	1
	3-36	---	HIMELON 7-14		1
	3-37	★80-MQ1-205-010	HOLDER, FPC		1

EXPLODED VIEW – 4

REF.NO.	PART NO.	DESCRIPTION
A	86-544-443-010	U+2-3.5
B	87-251-034-210	U+2-5
C	87-267-525-310	V+1.7-2.5
D	87-067-435-010	V+2-1.8
E	87-261-032-210	V+2-3
F	87-501-036-210	VF+2-8
G	87-067-796-010	S-SCREW SET-1.4-2
H	86-544-439-010	PW0.85-2.5-0.25
I	87-067-548-010	PW1.2-3-0.25
J	86-544-440-010	PW1.2-4-0.25
K	86-544-437-010	PW1.5-3.5-0.5
L	87-067-293-010	PW2-4.5-0.5



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q. TY
	4-1	★86-544-451-010	CUSHION, M 2-5-10	*	1
	4-2	★86-544-426-210	E-SPRING, RVS STOPPER	*	1
	4-3	★86-544-354-010	LEVER, PUSHING	*	1
	4-4	★86-544-429-110	T-SPRING, PINCH ROLLER	*	1
	4-5	★86-544-313-010	PLATE RINK COLLAR ASSY	*	1
	4-6	★86-544-390-010	COLLAR, RINK FRONT	*	2
	4-7	★86-544-389-010	COLLAR, RINK REAR	*	2
	4-8	★86-544-245-010	RINK GEAR R ASSY	*	1
	4-9	★86-544-374-010	RING, SPACER	*	1
	4-10	★86-544-378-010	SHAFT, SHUTTLE JOINT	*	2
	4-11	★86-544-251-010	GEAR RINK L ASSY	*	1
	4-12	★86-544-420-110	E-SPRING, RING GEAR	*	1
	4-13	★86-544-385-010	GEAR, DRIVE C	*	1
	4-14	★86-544-421-010	E-SPRING, DRIVE GEAR	*	1
	4-15	★86-544-386-010	GEAR, DRIVE D	*	1
	4-16	★86-544-384-010	GEAR, DRIVE B	*	1
	4-17	★86-544-271-010	LEVER D ASSY	*	1
	4-18	---	SHAFT, CALKING B		1
	4-19	★86-544-383-010	GEAR, DRIVE A	*	1
	4-20	★86-544-301-010	LEVER ASSY	*	1
	4-21	86-544-603-010	SWITCH, MODE	*	1
	4-22	★86-544-392-010	LEVER, C	*	1
	4-23	★86-544-387-010	GEAR, CAM	*	1
	4-24	---	MECHANISM HOLDER ASSY		1
	4-25	★86-544-231-110	SUB CHASSIS ASSY	*	1
	4-26	★86-544-362-110	AUTO REVERSE LEVER ASSY	*	1
	4-27	★86-544-391-010	LEVER, B	*	1
	4-28	★86-544-351-010	PLATE, SAFETY BRAKE	*	1
	4-29	★86-544-419-010	E-SPRING, BRAKE FREE	*	1
	4-30	★86-544-452-010	REEL TABLE ASSY	*	2